

TECHNICAL MANUAL

**COMPREHENSIVE ENGINE MANAGEMENT
SYSTEM
MANUAL FOR DSD: D042**

Prepared By: Automated Technical Order System (ATOS)

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CHAPTER 1

1-1 GENERAL

CEMS encompasses the maintenance, engineering, and inventory data elements required by the USAF engine management community. CEMS provides information required by engine managers and makes it available in the format and time required. The CEMS provides a means of interfacing with other data systems to assure that data management needs of all engine systems can be met. CEMS is the repository for all data required in managing USAF engines.

1-2 PURPOSE OF THE SYSTEM

To provide an information system supporting the engine management functions of distribution, transportation, configuration and maintenance management, inventory control, supply support and management analysis necessary to support AFMC, ALCs, major commands, contractors and base level personnel.

1-3 POLICY AND PROCEDURES

To obtain all policies and procedures refer to T.O. 00-25-254-1, Comprehensive Engine Management System Engine Configuration, Status and TCTO Reporting Procedures.

1-4 SECURITY AND PRIVACY

The Defense Information Systems Agency, (DISA) controls access to the mainframe on which the CDB resides. The CEMS CDB does not contain any classified information, nor does it contain data elements covered by the Privacy Act of 1974.

1-5 CEMS DATABASE ACCESS

CEMS access is obtained through the on-line IMS system or via the TSO system. Users are required to have a user ID and password to access either of these systems. To request a user ID and password, contact the technician for your SRAN to obtain a DISA Form 41, "System Authorization Access Request" and instructions. When completed the DISA Form 41 may be faxed or mailed to OC-ALC/TILC Tinker AFB, OK 73145. Terminal identification and/or password will restrict the update of tables and some files.

1-6 COMPUTER SYSTEM PROBLEMS

Messages may appear on the screen that deal with system failure (i.e. data base problem). CDB personnel must correct these system errors, contact OC-ALC/TILC, as soon as these messages are seen. If program problems or difficulty with individual jobs are encountered, call OC-ALC/TILC, for assistance. User correctable error messages that appear while the user is attempting to update, or extract from, the CDB will be listed and explained within each job section.

- When a discrepancy or deficiency in an existing computer program, either in documentation or software is suspected AF Form 1775, Software Problem Report (SPR), will be submitted to OC-ALC/TILC by the using activity. When an AF Form 1775 is prepared, it is extremely important that pertinent information (i.e. S/N, Transaction Condition Code (TCC), etc) is identified. Requirements for developing, modifying, or establishing a new program will be documented by an AF Form 3215, C4 Systems Requirement Document (C4SRD) and submitted to OC-ALC/TILC through your major command.

1-7 TERMINAL OPERATION

The keys on your keyboard are given specific functions by the program and/or application you use. The software used on your computer defines the keyboard map; therefore your software must be modified to relate to the function keys in these applications. The key map is contained in downloaded software files.

1-8 SYSTEM OPERATION AND CONFIGURATION

CEMS is configured with a CDB and remote PCs located at various Air Force, Navy and contractor facilities. The CEMS system consists of seven subsystems, four PC based programs and one Client Server Application. Subsystem D042A will accept all inputs to the system and will maintain the CEMS

databases. D042A will accept data from and produce reports for virtually every portion of the engine management community.

Subsystems:

- **D042A: Status Reporting Subsystem.**

Maintains the CEMS databases and performs functions necessary to provide for status, parts tracking, and TCTO reporting. All other subsystems extract data from the appropriate databases and external history files to produce the product necessary to satisfy functions established by the user.

- **D042B: Inventory Management Financial Inventory Subsystem.**

This subsystem provides data to various echelons of Air Force management to assist in managing engines. Data is included in a wide range of products designed to fit the functional responsibilities of specific organizations. Products reflect serially, quantitatively, and monetarily the location, condition and activity of engine inventories.

- **D042C: Allocation and Distribution Subsystem.**

Produce all allocation and distribution reports that satisfy functions established by the user. Data is included in a wide range of products designed to fit the functional responsibilities of specific organizations. Products reflect spare engine assets at using activities, reparable shipments and receipts, resupply time and effectiveness of engine inventory managers (EIMs) in maintaining authorized spare engine levels at using activities. These reports are produced from data maintained in the CDB located at OC-ALC.

- **D042D: Pipeline Analysis Subsystem.**

Provides quantitative information of the number and average elapsed times engines spend in Supply, Transportation, and Repair pipeline segments. Provides current and historical experience data necessary for justification of changes to established standards used in determining spare engine stockage requirements throughout the Air Force.

- **D042E: Configuration Management Subsystem.**

Performs the functions necessary to provide computer remote terminal (CRT) outputs. These outputs pertain to single and multi serial numbered configuration reports, historical summaries, current age, mission profile, identity and location data.

- **D042F: TCTO Management Subsystem.**

Performs the functions required to provide CRT outputs. These outputs pertain to single and multi TCTO and/or S/N TCTO management reports. These reports will provide the user with complete TCTO master records, TCTO status, TCTO status summaries, configuration, rescission alerts, production schedule(s), and TCTO retired and/or historical data with summaries.

- **D042G: Actuarial Experience Computation Subsystem.**

Provides data analysis of failure rates, return rates, removals, inventory, life remaining and age interval distributions. It also builds actuarial files by extracting data from appropriate data base segments and history files for producing actuarial reports.

PC Based Programs:

- **IBEMS: Integrated Base-Level Engine Management System** (See Appendix A)
- **ELP: Engine Load Program** (See Appendix B)
- **CFP: CEMS Forwarding Program** (See Appendix C)
- **LPD: CEMS Line Printer** (See Appendix D)

Client Server Application:

- **PACS: Propulsion Actuarial Client Server** (See Appendix E)

CHAPTER 2

2-1 IMS Programs Utilization Procedures.

Users are required to logon to CEMS with a user ID and password. To use an IMS program type in “/FOR CEOAXXXX”, where “XXXX” is the four position alphanumeric job number. For example, to execute job F005 you would type in “/FOR CEOAF005” and press the “ENTER” key. All required fields must be typed in as explained in each program description; all data will be left justified and right filled with spaces unless otherwise specified. After all data has been typed in, press the ENTER key. If the option was processed successfully, a screen will be returned with the appropriate fields filled in.

- For many IMS programs, a swap screen capability is available which allows transferring to another program without clearing CII/SN data. The one or two digit swap code will be listed on the IMS screen, and is usually input in either the option, function, or TCC field.
- When you finish using IMS, after clearing the screen, type “/RCL” and then press the ENTER key.

2-2 IMS Message Capability.

Type in “/FOR CEOAAMSG”. Enter the recipient’s user ID, type your message (see warning below) and press “ENTER”. After typing your message “A MESSAGE SENT” will then appear on the screen.

WARNING

- When using this IMS capability you must include the following in your message:
“If you were using the IBEM or CFP programs to update CEMS and CAMS when you received this message you must restart those programs”.
- In order to find the proper destination use IMS job A320, type “L” in the TRANS field, or TSO job “CEMSTERM” under Browse select “M” option. The job “CEMSTERM” will provide a list of all terminals used for CEMS reporting and/or inquiry. The product is in alphabetical order by location.
- AIG Function: This function is limited for use by the major commands, command engine managers, and OC-ALC/TILC. For the AIG function to work properly, all CEMS terminals have been divided into the following classes:
 - (A) MAJOR COMMANDS
 - (B) ANGRG ACTIVITIES
 - (C) CONTRACTOR ACTIVITIES
 - (D) DELETED
 - (E) AFSOC ACTIVITIES
 - (F) OC-ALC-(TILC)
 - (G) AFMC ACTIVITIES
 - (H) AMC ACTIVITIES
 - (I) AFRC ACTIVITIES
 - (J) USAFE ACTIVITIES
 - (K) AETC ACTIVITIES
 - (L) ASC
 - (M) DELETED
 - (N) RESERVED FOR FUTURE USE
 - (O) OC-ALC/LP ACTIVITIES
 - (P) ACC ACTIVITIES

- (Q) RESERVED FOR FUTURE USE
- (R) OO-ALC ACTIVITIES (EXCEPT ALC EM)
- (S) PACAF ACTIVITIES
- (T) DELETED
- (U) WR-ALC ACTIVITIES (EXCEPT ALC EM)
- (V) DELETED
- (W) OC-ALC/EM ACTIVITIES
- (X) OO-ALC/EM ACTIVITIES
- (Y) DELETED
- (Z) WR-ALC/EM ACTIVITIES

• This function should be used with discretion as too many IMS inter-terminal messages slow down the entire, repeat, entire CEMS system.

2-3 TSO Program Utilization Procedures.

Log on to TSO by typing in "TSOA" and press "ENTER". Type in your assigned user ID, and press "ENTER". The system will validate your user ID and when the "TSO/E LOGON" screen appears type in your password, (it will not be displayed on the screen) and press "ENTER". On the next screen wait for "***" to appear in the upper left-hand corner of the screen and then press "ENTER" again. The logon screen is as follows:

• In TSO anytime (***) appears on the screen, press the "ENTER" key.

```

----- TSO/E LOGON -----
Enter LOGON parameters below:      RACF LOGON parameters:
Userid ==>CEALD
Password ==>                      New Password ==>
Procedure ==>                     Group Ident ==>
Acct Nmbr ==> CE003
Size ==> 4096
Perform ==>
Command ==>
Enter an "S" before each option desired below:
-Nomail  -Nonotice  S-Reconnect  -OIDcard
PF1/PF13 ==>  Help PF3/PF15 ==>Logoff  PA1 ==> Attention  PA2 ==> Reshow
You may request specific help information by entering a "?" in any entry field.
```

Figure 2-1. Sample Format TSO LOGON Screen

2-4 CEMS Technician Primary Menu.

This menu allows the user to select any of the processing options available on TSO. To select an option, type (any of the following option letters) in the "SELECT OPTION = = =>" field and then press "ENTER".

```

----- CEMS TECHNICIAN PRIMARY MENU -----

SELECT OPTION =====>

OPTION      ACTION      EXPLANATION / FUNCTION      SYSTEM INFORMATION
N           NEWS         USER'S NEWS (AS OF:02 FEB 99)  JUL DATE - 99.042
B           BROWSE       DISPLAY SCHEDULED PUSH PRODUCTS  CAL DATE - 99/02/11
S           SUBMIT       SUBMIT CEMS INQUIRY           TIME - 08:53
V           VIEW         DISPLAY JOB OUTPUT            USERID - CEALD
I           INDEX        CEMS TSO JOBS
X           EXIT         TERMINATE SESSION (LOG OFF)
L           LOCAL PRINT   ROUTE PRODUCTS TO LOCAL
                        PRINTER
H           PRINT        VPS PRINT MENU
U           GUIDE        USERS GUIDE
T           TRANSFER     FILE TRANSFER FACILITY

THIS IS THE SYSTEM FOR SUBMITTING CEMS INQUIRIES.
PLEASE, PLEASE READ THE HELP SCREENS! EACH SCREEN HAS A HELP
FUNCTION THAT IS ACTIVATED BY PRESSING THE PF1 KEY.
NOTES:
1. TO RETURN TO THE PRIMARY MENU FROM AN OPTION MENU, PRESS PF3.
2. FOR HELP, PRESS PF1.

```

Figure 2-2. Sample Format CEMS Technician Primary Menu

Option N: This option provides the user with the latest CEMS NEWS. All users should periodically review CEMS news.

Option B: This option provides a capability to view a complete list of CEMS products. The "CEMS BROWSE MENU" screen allows the user to select any available CEMS browse product:

- (A) D042A - System Management Products
- (B) D042B - Inventory Products
- (C) D042C - Automatic Resupply Products
- (D) D042D - Pipeline Products
- (E) D042E - Configuration Products
- (F) D042F - TCTO Products
- (G) D042G - Actuarial Products
- (M) Miscellaneous Products
- (T) Transfer File Layouts

• If you wish to view a D042C product, type "C" next to the arrow and press "ENTER". The "CEMS D042C PRODUCTS" screen will appear. Any selection can then be entered next to the arrow. Press "ENTER" to view job.

• You may also use the shortcut method to obtain a product. From the Primary Menu, enter "B.X.Y" where "B" equals Browse, "X" equals the subsystem desired and "Y" equals the product. Example: entering "B.C.3" will display the "Daily Automatic Resupply Report".

Option I: This option provides an index for all CEMS TSO jobs.

Option H: This option will allow you to access the "VPS PRINT MENU". To select this option, type "H" in the "SELECT OPTION = = =>" field and then press the "ENTER" key. The "ISPF PRIMARY OPTIONS MENU" screen will list the following options:

- a. Option "P": Does not apply to CEMS users.
- b. Option "O": This option allows the user to print partial data sets, such as the browse products. Enter the "DATA SET NAME" (in single quotes i.e. "ce.xxxx.xxxx.xxx"),

“PRINTER NAME” (your TSO printer ID), “A” for output class, “N” on hold out print and the first and last page or line to be printed. (Some products may require the page/line information to be entered -- as an example -- 00001, 00002, etc). NOTE: If you receive error message “DYNAMIC ALLOC ERROR ON INPUT FILE” you do not have the correct data set entered on panel. To find out correct data set name, browse the first page of your product and name should be in upper left or right hand corner of screen.

- Option “X”: Exit from VPS.

Option U: This option provides a CEMS user guide.

Option T: This option provides File Transfer Protocol of selected CEMS data. It is available only to PC users with Transfer capability. Users should check their software manuals to determine their PC capability. Contact OC-ALC/TILC to have your user ID authorized. To file Transfer, sign on to TSO and run your job. On the input panel, put “Y” in the Transfer option space. This will put requested data on a TDSC file. ***Be sure to note the file name as it appears on the screen immediately after submission.*** After the job finishes, a notice will be displayed, but there will be no print listing to look at or requeue. Only those programs with the Transfer option on the TSO input panel can use this function. Programs available and their file layout are listed and accessible on the browse, option “T”. The Transfer capability will be added to other programs as need develops. Transfer files will be available for five days after the job has run. After that they will be automatically deleted. Make sure enough space is available on the receiving PC for files to be transferred. After the job has finished, return to the “CEMS TECHNICIAN PRIMARY MENU”. Select option “T”. This option will take you to a screen titled “TSO COMMAND PROCESSOR”. At this point, switch to PC control and initiate File Transfer procedures according to instructions contained in your PC software package. When the Transfer is complete, return to the “TSO COMMAND PROCESSOR” panel and log off with “PF3” or “X”. CEMS can only set up the potential for File Transfer. Support cannot be provided for all the various PC software packages. The CEMS staff will help with familiar packages; however, questions about emulation packages are best directed to the local experts.

Option X: This option will terminate the TSO session. To use this option: Type “X” in the SELECT OPTION field and press the “ENTER” key. (You may also log off by pressing the “PF3” key.)

Option L: This option allows the user to print one or all products for a specific SRAN. To select this option, type “L” in the “SELECT OPTION = =>” field and then press the “ENTER” key. The “BASE LEVEL PRODUCTS PRINT OPTION” screen will appear with a list of all base level products available for print on a local printer. Enter the four position SRAN number, printer identification of local printer you want the product routed to, then tab down to the “NR COPIES” field and enter the number of copies requested beside the job number. You may only request one copy of A590B, A600B and F050A. Note: For A590B only, replace the “N” next to PREVIOUS REPORT with “Y”. Press “ENTER”. Press “PF3” key to exit.

```

BASE LEVEL PRODUCTS PRINT OPTION

SRAN      =====>                PRINTER ID =====> VTACE019

PREVIOUS REPORT ==> N                ENTER Y TO RUN EMDL (A590B) ONLY
                                      ENTER X TO RUN DTS (A600B) ONLY
D351M MONTH/YEAR => MMM YY          D351Q YEAR / QUARTER => YY QQ

      NR COPIES   JOB NUMBER   PRODUCT NAME
      -----
          0       A600        DAILY TRANSACTION SUMMARY
                   A600B      DTS - 30 DAYS PRIOR

          0       C022A       DAILY INVENTORY STATUS LIST (ALL)
          0       C022A       DAILY INVENTORY STATUS LIST (INSTALLED)
          0       C022A       DAILY INVENTORY STATUS LIST (SPARE)

          0       A590        ENGINE MANAGER DATA LIST (EMDL)
                   A590B      EMDL - 30 DAYS PRIOR
          0       A505        QUARTERLY INVENTORY STATUS REPORT

          0       D351M       PIPELINE BASE / SRAN BY SELECTED SRAN MTH
          0       D351Q       PIPELINE BASE / SRAN BY SELECTED SRAN QTR
          0       F050A       TCTO CONFIGURATION REPORTS / ENGINES ONLY

PRESS PF1 FOR INSTRUCTIONS, PRESS PF3 FOR EXIT

H0000706

```

Figure 2-3. Sample Format Base Level Products

Option S: This option provides capability to submit a job for processing. In the "SELECT OPTION = = =>" field type "S" and press "ENTER". The "CEMS INQUIRY SELECTION" screen will appear. For special system jobs, type the four position alphanumeric job designator for the job you want to submit (i.e. F035) in the "JOB NUMB" field. Type the letter of the output disposition you desire in the "OUTPUT DISPOSITION" field (H - holds the output for viewing and R - routes the product to your printer). Type your printer or terminal ID in the "OUTPUT DESTINATION" field. This **must be** your printer ID if you use the "R" output disposition or use the base level products print option. Type in NUMBER OF COPIES needed. Type in your ROUTING SYMBOL. Type in your PHONE (last 5 digits i.e. 6-3926). Type your ORGANIZATION. Type in your self-assigned code (up to six characters) in the "REQUESTOR'S CODE" field. When all entries are in place, press "ENTER". The "CEMS INQUIRY DEFINITION" screen will appear. This screen should be completed in accordance with the applicable section for the selected job. When all required information is typed in, press "ENTER". The inquiry definition screen will disappear and the message "JOB CEXXXYYY (JOBXXXXX) SUBMITTED" will appear. The job name CEXXXYYY is your user ID and the last three positions of the job submitted (this will apply only if you have a five character user id). The job number (JOBXXXXX) is a five position number which is assigned by the computer. **(Be sure to note this job number as it appears on the screen immediately after submission.)** If you selected OUTPUT DISPOSITION "H", press "PF3" to return to the "CEMS TECHNICIAN PRIMARY MENU". From this menu you will need to select Option "V" to VIEW your product and/or print it. If you had selected OUTPUT DISPOSITION "R", no further action is required. When your job is completed it will be placed on the output queue and sent to the printer you designated in the OUTPUT DESTINATION field. Output disposition "C" is for TILC use only, prints on small paper.

• **PLEASE NOTE:** When using output disposition "R", there may be a significant delay between the time your job ends and the time that it begins printing.

```

                                CEMS INQUIRY SELECTION
TIME OF DAY- 14:16      TODAY'S DATE- 01/09/24      JULIAN DATE- 01.267
JOB NUMB- E102          OUTPUT DISPOSITION- H (H OR R)
*****
* OUTPUT                'H' HOLDS OUTPUT FOR VIEWING BEFORE PRINTING      *
* DISPOSITIONS:         'R' ROUTES OUTPUT TO REMOTE PRINTERS              *
*                                                                *
*****

OUTPUT DESTINATION- VTACOK16      NUMBER OF COPIES- 1
ROUTING SYMBOL- LPRC              PHONE- 736-5074
ORGANIZATION- OC-ALC              REQUESTOR'S CODE- CEPXM

PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER TO CONTINUE
                                H0000707

```

Figure 2-4. Sample Format CEMS Inquiry Selection

Option V: The “VIEW” option produces the “OUTLIST UTILITY” screen which allows the user to check the status of submitted jobs, delete, print, or requeue jobs, and to view jobs if output disposition “H” was previously selected.

```

                                Outlist Utility
Option ==>
L List job names/id's via the TSO STATUS command
D Delete job output from SYSOUT hold queue
P Print job output and delete from SYSOUT hold queue
R Requeue job output to a new output class blank Display job output
For Job to be selected:
    Jobname...CEALD035
    Class....
    Job ID...JOB01274
For Job to be requeued:
    New Output class...
For Job to be printed:
    Printer carriage control...A
                                (A for ANSI)
                                (M for machine)
                                (Blank for none)
                                H0201348

```

Figure 2-5. Sample Format Outlist Utility Screen

The options available in “VIEW” are:

- a. **Option L:** This option provides the “OUTLIST UTILITY” screen which shows a list of the jobs you have submitted and their current status in the system. To use this option type “L” next to the arrow, move the cursor to the “JOB NAME” field and type in the job name. The job name will be your user ID and the last three characters of the job you had previously submitted (this will apply only if you have a five character user id). As an example, if your user ID was CECCC and you had submitted job E102 for processing, the job name to be input here would be CECCC102. Press “ENTER”. The status of each job submitted will appear at the bottom of the screen followed by ***. Press “ENTER” again and the screen will clear. The status messages most often encountered during this process are: JOB CECCCYYY (JOB ID NNNNN) AWAITING EXECUTION. The system has queued your request, but has not processed it. JOB CECCCYYY (JOB ID NNNNN) ON OUTPUT QUEUE. The system has completed your job. It is available for viewing and/or printing. JOB CECCCYYY (JOB ID NNNNN) NOT FOUND. This means your job is no longer in the system.

- b. **Option D:** This option deletes your job from the system. To use option type "D" next to the arrow, type the job name in the "JOB NAME" field. Type the job number you want to delete in the "JOB ID" field. The job number will be "J" plus the last four digits of the computer assigned number provided when the job was submitted. Press "ENTER". The job has now been deleted.
- c. **Option P:** This option allows you to print your product on a local printer. To use this option type "P" next to the arrow, move the cursor to the "JOB NAME" field and type in the name of the job you want to print (i.e. CECCC035). Move the cursor to the "JOB ID" field and type in "J" plus the last four digits of the computer assigned job number provided when you submitted the job (i.e. J1343). Ensure the "NEW OUTPUT CLASS" field is blank. Ensure the "PRINTER CARRIAGE CONTROL" field contains an "A" then press "ENTER". When *** appears at the bottom of the screen, press "ENTER" again and the "OUTLIST UTILITY PRINT OPTIONS" screen will appear. Type "PD" in the "OPTION" field and ensure the "SYSOUT CLASS" field is blank. Type the printer address of the printer you want the product to print out on in the "PRINTER ID" field. Press the "ENTER" key and a message to the effect that your job has been routed to the local printer and deleted will appear. Your output product should begin printing within a few seconds. If it does not, call TDSC DSN 339-5734 or commercial 405-739-5734 for assistance.

2-5 Special Function Keys/Commands.

Keys that have special functions, are defined by TSO itself, and therefore perform the same function regardless of which TSO program you are using (See Paragraph 1-8). These keys and their definition are:

PF2 = Split screen - This key divides the screen into two parts where the cursor is located. Each section is independent and the cursor position indicates which section is in use. To remove the split screen, place the cursor in the section you want to remove and press "PF3" until the screen disappears.

PF3 = Return to a previous screen - This key will always take you to a previous screen. When you reach a screen with an "X" option, you may then terminate your TSO session.

PF5 = Repeat a (Find) statement - This key repeats a (Find) statement which is defined in the paragraph below.

PF7 = Scroll up - This key allows you to view previous information at the top of the product a screen (page) at a time. Pressing "M" and then pressing "PF7" will take you from your present position to the top of the product.

PF8 = Scroll down - This key allows you to view additional information at the bottom of the product. Pressing "M" and "PF8" will take you from your present position to the bottom of the product.

PF10 = Scroll left - This key allows you to view data on the left-hand side of the product.

PF11 = Scroll right - This key allows you to view data on the right hand side of the product.

- An "F" or "FIND" command may be used on any TSO product which contains a COMMAND = =>field in the upper left corner of the screen. This is an extremely useful command allowing you to find specific data in the product by identifying the specific data you want. The following instructions show you how to use a (FIND) command. For the purposes of these instructions assume that you are viewing a TSO product containing SRAN information and looking for a particular SRAN. To use the (FIND) command place the cursor one space to the right of the COMMAND = => field. Type in "FXXXXX" where XXXXX is the series of characters of the data you want to find. For example, if you want to find data for SRAN 2039, type in "F2039" and press the "ENTER" key. The first time the characters 2039 and associated data in the product appear on your screen, 2039 will be highlighted. If SRAN 2039 appears in the product more than once and you want to find the next occurrence, press the "PF5" key. The next occurrence of SRAN 2039 will then appear on your screen.
- An "L" or "LOCATE" command may be used to display a specific line in the data being browsed.

2-6 D042A (System Management) Products.**A090 - FILE MAINTENANCE - BATCH • CDB use only**

<u>PCN</u>	<u>TITLE</u>	<u>SAMPLE</u>
CEDO42.BUA110.A10D	DAILY PROCESSING STATUS	
CEDO42.BUA115.A10D	ACTION ITEM LISTING	
CEDO42.NOA120.A10D	DAILY TRANSACTION LIST	A090-1
CEDO42.NOA120.A10D	DAILY TRANSACTION LIST	A090-2
CEDO42.DUA125.A10D	DAILY TRANSACTION REGISTER DATA	

PURPOSE: This TSO program reads configuration update and status, file maintenance transactions from contractor facilities that load new production data. This job assigns a current date, reformats data, sorts transactions by type report codes, and edits return error type reports. This job is run prior to processing A100 which will update the CDB with engine, module, and component file maintenance data read from the A090.

JOB CONTROL LANGUAGE:

```
//CENOA090 JOB (CE),NAME, CLASS=1
```

```
//S090 EXEC CENOA090
```

```
//INPUT DD*
```

```
INPUT CARD "SEE JCL CARD MODIFICATION"
```

```
/*
```

```
//SYSIN DD*
```

```
DATE CARD "SEE JCL CARD MODIFICATION"
```

```
/*
```

<u>CARD</u>	<u>COL INDENT</u>	<u>FIELD CONTENT</u>	<u>SPECIAL INSTRUCTIONS</u>
1	1-10	//CENOA090	
1	12-14	Job	
1	16-20	(CE)	
1	21-35	Name "See Special Instructions"	Job Name or Individual's Name
1	36-43	,CLASS=I	
2	1-6	//S090	
2	8-11	EXEC	
2	13-20	CENOA090	
3	1-12	//INPUT DD*	
4	1-80	Input Card "See Special Instructions"	TO 00-25-254-1. This will be a file containing the data necessary to update the CDB.
5	1-2	/*	
6	1-12	//SYSIN DD*	
7	1-5	Date Card "See Special Instructions"	Current Date (YYDDD)
8	1-3	/*	

DESCRIPTION OF OUTPUT DATA ELEMENTS (A090):

Hour and/or cycle reporting, (transaction code 6N, VA, 6T and 6P). Excludes intransit installation of engines and modules.

CARD #1			
DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
1. SRAN	4AN	1-4	
2. Unit Identification	1A	5	Cannot be X.
3. Sequence Control Number			
a. Sequence Month Code	2N	6-7	
b. Sequence Number	5N	8-12	
4. Card Number	1N	13	"1"
5. Subsystem Identifier	1A	14	C
6. TCC	2AN	15-16	
7. Type Report	1AN	17	
8. Date of Transaction/Date of Occurrence	5N	18-22	
9. As of Time of Occurrence	4N	23-26	
10. Engine Identifier	2AN	27-28	
11. Work Unit Code (WUC)	5AN	29-33	
12. Serial Number	10AN	34-43	
13. Part Number or Event History Recorder (EHR) and/or Engine Time and Temperature Recorder (ETTR) Serial Number	15AN	44-58	If EHR and/or ETTR serial number is input it will be left justified
14. Next Higher Assembly (NHA) Serial Number	10AN	59-68	
15. Reason for Removal How Malfunction (How Mal)	3N	69-71	
16. Reason for Return to Overhaul or Extended Flight Indicator	2AN	72-73	Extended flight indicator is right justified when input.
17. Correction Sequence Number	7AN	74-80	Input when type report C.

CARD #2			
DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
1. SRAN	4AN	1-4	
2. Unit Identification	1A	5	Cannot be X.
3. Sequence Control Number			
a. Sequence Month Code	2N	6-7	
b. Sequence Number	5N	8-12	
4. Card Number	1N	13	"2"
5. Subsystem Identifier	1A	14	"C"
6. TCC	2AN	15-16	
7. Type Report	1AN	17	
8. Command Code			

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
a. Major	2AN	18-19	
b. Sub	1AN	20	
9. Organization Code	1A	21	
10. Position Number or Primary or Secondary Reason for Removal Code	1AN	22	
11. Ownership Account Code	1A	23	
12. Filler	5	24-28	
13. Aircraft MDS	7AN	29-35	
1. Method of Tracking (Occurs Five Times)			
a. Catalog Number	2N	36-37	
b. Catalog Value	7N	38-44	

CARD #3

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
1. SRAN	4AN	1-4	
2. Unit Identification	1A	5	Cannot be X.
3. Sequence Control Number			
a. Sequence Month Code	2N	6-7	
b. Sequence Number	5N	8-12	
4. Card Number	1N	13.	"3"
5. Subsystem Identifier	1A	14	"C"
6. TCC	2AN	15-16	
7. Type Report	1AN	17	
8. Method of Tracking (Occurs Seven Times)	63N	18-80	
a. Catalog Number	2N	18-19	
b. Catalog Value	7N	20-26	

CARD #4

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
1. SRAN	4AN	1-4	
2. Unit Identification	1A	5	Cannot be X.
3. Sequence Control Number			
a. Sequence Month Code	2N	6-7	
b. Sequence Number	5N	8-12	
4. Card Number	1N	13	"4"
5. Subsystem Identifier	1A	14	"C"
6. TCC	2AN	15-16	
7. Type Report	1AN	17	

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
8. Method of Tracking (Occurs Seven Times)	63N	18-80	
a. Catalog Number	2N	18-19	
b. Catalog Value	7N	20-26	

Engine status reports on all engines AB, AR, SB, SR, ZB, and ZR.

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
1. SRAN	4AN	1-4	
2. Unit Identification	1A	5	Cannot be X.
3. Sequence Control Number			
a. Sequence Month Code	2N	6-7	
b. Sequence Number	5N	8-12	
4. Card Number	1N	13	"1"
5. Subsystem Identifier	1A	14	"S"
6. TCC	2AN	15-16	
7. Type Report	1AN	17	
8. Serial Number	10AN	18-27	
9. Command Code			
a. Major	2AN	28-30	
b. Sub	1AN	30	
10. Organization Code	1A	31	Option - for local use. Cannot be "X".
11. Ownership Account Code	1A	32	
12. Date of Transaction/Date of Occurrence			
a. Julian Day	3N	33-35	
13. As of Time of Occurrence			
a. Fraction of a Day*	2N	36-37	
14. CII	7AN	38-44	
15. Deleted			
16. Deleted			
17. Shipments (Pos 45-80 defined)			
a. Major Command	2AN	45-46	
b. SRAN	4AN	47-50	
c. Deleted			
d. Transportation Control Number (TCN)			
	15AN	55-69	
e. Reparable Engine Serial Number***			

For Non-Core Automated Maintenance System (CAMS) users, report two-position military time rounded to nearest hour, i.e. 0921 would be reported as 0900, 1242 as 1300.

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
	10AN	70-79	
f. Filler	1AN	80	(blank)
18. Gain and Losses (Uninstalled) (Pos 45-80)			
a. Major Command	2AN	45-46	
b. SRAN	4AN	47-50	
c. Filler	4AN	51-54	(blank)
d. Document Number	15AN	55-69	
e. Filler	2AN	70-71	(blank)
f. Security Assistance Program (SAP) Number			
	8AN	72-79	
g. Filler	1AN	80	(blank)
19. Deleted			
20. Deleted			
21. Deleted			
22. Deleted			
23. Deleted			
24. Deleted			
25. Deleted			
26. Deleted			

*Computation of Fraction of the Day. This is the time of the occurrence of the reporting event, determined by the formula:

Standard Military Time (24 hour time) divided by 2400, rounded to two numbers, with no decimal; i.e. 0800 divided by 2400 equals 33.

**Aircraft and support equipment is seven positions. When the end item is other than aircraft or support equipment, leave this field blank.

***Reparable engine serial number is used when a serviceable shipment is made to replace a reparable engine, otherwise enter stock or not furnished.

END OF MONTH LAST SEQUENCE NUMBER:

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
1. SRAN	4AN	1-4	
2. Unit Identification	1AN	5	(blank)
3. Sequence Control Number			
a. Sequence Month Code	2N	6-7	
b. Last Sequence Number	5N	8-12	
4. Card Number	1N	13	"1"
5. Subsystem ID	1A	14	"S"
6. Filler	2AN	15-16	(blank)
7. Type Report	1AN	17	"A"
8. Filler	63AN	18-80	(blank)

INFORMATION TYPE MESSAGES (A090):

1. FOLLOWING TRANSACTIONS ARE ROUTINE TRANSACTIONS.
2. FOLLOWING TRANSACTIONS ARE EITHER BASE CORRECTED, TILC CORRECTED, OR PART OF PACKET.
3. FOLLOWING TRANSACTIONS ARE EITHER BASE VERIFIED RECURRING ERRORS, FOR BASE CORRECTION OR FOR TILC CORRECTION.
4. ENGINE OPERATING TIME (EOT) AND/OR ENGINE HRS AND/OR PREVIOUS,
TRANSACTION VALUE = _____
CDB VALUE = _____.
5. Deleted
6. MAXIMUM ERRORS DETECTED. (MORE THAN FIVE)

A100 - FILE MAINTENANCE BATCH - CDB USE ONLY (See Figure 3-2)

PURPOSE: This TSO program reads configuration and status batch file maintenance transactions. It assigns the "header base processing date" to each succeeding record and moves unknown transactions to an unidentified transaction list, CEDO42.NOA100.A10D for evaluation by OC-ALC/TILC. This job reformats data, sorts transactions by type report codes, edits return error type reports, checks contractor sequence processing and updates the CDB with engine, module and components file maintenance data. Produces and action item listing, CEDO42.BUA115.A10D, a daily transaction list, CEDO42.NOA120.A10D, a daily transaction register data listing, CEDO42.BUA125.A10D, and a processing status report, CEDO42.BUA110.A10D, on a daily basis for OC-ALC/TILC.

<u>PCN</u>	<u>TITLE</u>	<u>SAMPLE</u>
CEDO42.NOA100.A10D	UNIDENTIFIED TRANSACTION LIST	A100-1
CEDO42.BUA110.A10D	DAILY PROCESSING STATUS	A100-2
CEDO42.DUA125.A10D	DAILY TRANSACTION REGISTER LIST	A100-3A
CEDO42.DUA125.A10D	DAILY TRANSACTION REGISTER LIST	A100-3B
CEDO42.NOA120.A10D	DAILY TRANSACTION LIST	A100-4
CEDO42.BUA110.A20D	HELD AND MISSING TRAN SUMMARY	A100-5

NOTE: The ACTION ITEM LISTING and TRANSACTION REGISTER LISTING will be provided in hard copy for TILC.

This job is initiated automatically as result of CEMS reporting.

DESCRIPTION OF OUTPUT DATA ELEMENTS (A100):**HOURLY and/or CYCLE REPORTING:**

(Transaction Code 6N, VA, 6T, and 6P).

CARD #1

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
1. SRAN	4AN	1-4	
2. Unit Identification	1A	5	
3. Sequence Control Number			
a. Sequence Month Code	2N	6-7	
b. Sequence Number	5N	8-12	
4. Card Number	1N	13	"1"

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
5. Subsystem Identifier	1A	14	"C"
6. TCC	2AN	15-16	
7. Type Report	1AN	17	"R", "C ", "D", "E", "V", or "N"
8. Date of Transaction/Date of Occurrence	5N	18-22	
9. As of Time of Occurrence	4N	23-26	
10. Engine Identifier	2AN	27-28	
11. WUC	5AN	29-33	
12. Serial Number	10AN	34-43	
13. Part Number or EHR/ETTR Serial Number	15AN	44-58	If EHR/ETTR Serial Number is input it will be left justified.
14. NHA Serial Number	10AN	59-68	
15. Reason for Removal How Mal	3N	69-71	
16. Reason for Return to Overhaul or Extended Flight Indicator	2AN	72-73	Extended flight indicator is right justified when input.
17. Correction Sequence Number	7N	74-80	Input when type report = C

- On reconciliation transactions, 15 and 16 become K factor field.

CARD #2			
DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
1. SRAN	4AN	1-4	
2. Unit Identification	1A	5	
3. Sequence Control Number			
a. Sequence Month Code	2N	6-7	
b. Sequence Number	5N	8-12	
4. Card Number	1N	13	"2"
5. Subsystem Identifier	1A	14	"C"
6. TCC	2AN	15-16	
7. Type Report	1AN	17	
8. Command Code			
a. Major	2AN	18-19	
b. Sub	1AN	20	
9. Organization Code	1A	21	
10. Position Number or Primary or Secondary Reason for Removal Code	1AN	22	
11. Ownership Account Code	1A	23	
12. Filler	5	24-28	

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
13. Aircraft MDS**	7AN	29-35	
14. Method of Tracking (Occurs Five Times)			
	45N	36-80	
a. Catalog Number	2N	36-37	
b. Catalog Number	7N	38-44	

CARD #3

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
1. SRAN	4AN	1-4	
2. Unit Identification	1A	5	
3. Sequence Control Number			
a. Sequence Month Code	2N	6-7	
b. Sequence Number	5N	8-12	
4. Card Number	1N	13	"3"
5. Subsystem Identifier	1A	14	"C"
6. TCC	2AN	15-16	
7. Type Report	1AN	17	
8. Method of Tracking (Occurs Seven Times)			
	63N	18-80	
a. Catalog Number	2N	18-19	
b. Catalog Number	7N	20-26	

CARD #4

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
1. SRAN	4AN	1-4	
2. Unit Identification	1A	5	
3. Sequence Control Number			
a. Sequence Month Code	2N	6-7	
b. Sequence Number	5N	8-12	
4. Card Number	1N	13	"4"
5. Subsystem Identifier	1A	14	"C"
6. TCC	2AN	15-16	
7. Type Report	1AN	17	
8. Method of Tracking (Occurs Seven Times)			
	63N	18-80	
a. Catalog Number	2N	18-19	
b. Catalog Number	7N	20-26	

ENGINE STATUS REPORTS:

(AB, AR, SB, SR, ZB and ZR)

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
1. SRAN	4AN	1-4	
2. Unit Identification	1A	5	
3. Sequence Control Number			
a. Sequence Month Code	2N	6-7	
b. Sequence Number	5N	8-12	
4. Card Number	1N	13	"T"
5. Subsystem Identifier	1A	14	"S"
6. TCC	2AN	15-16	
7. Type Report	1AN	17	
8. Serial Number	10AN	18-27	
9. Command Code			
a. Major	2AN	28-29	
b. Sub	1AN	30	
10. Organization Code	1A	31	
11. Ownership Account Code	1A	32	
12. Date of Transaction/Date of Occurrence			
a. Julian Day	3N	33-35	
13. As of Time of Occurrence			
a. Fraction of a Day	2N	36-37	
14. Engine Identifier	2AN	38-39	
15. WUC	5AN	40-44	
16. Deleted			
17. Deleted			
18. Shipments (Pos 45-80 defined)			
a. Major Command	2AN	45-46	
b. SRAN	4AN	47-50	
c. Type Container	4AN	51-54	(optional)
d. TCN	15AN	55-69	
e. Repairable Engine Serial Number*			
	10AN	70-79	
f. Filler	1AN	80	(blank)
19. Gain and Losses (Uninstalled) (Pos 45-80)			
a. Major Command	2AN	45-46	
b. SRAN	4AN	47-50	
c. Filler	4AN	51-54	(blank)
d. Document Number	15AN	55-69	
e. Filler	2AN	70-71	(blank)
f. SAP Number	8AN	72-79	

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
g. Filler	1AN	80	(blank)
20. Deleted			
21. Deleted			
22. Deleted			
23. Deleted			
24. Deleted			
25. Deleted			
26. Deleted			
27. Deleted			

- * Repairable engine serial number is used when a serviceable shipment is made to replace a repairable engine, otherwise enter "stock" or "not furnished".
- ** Aircraft and support equipment MDS is seven positions. When end item is other than Aircraft or Support Equipment, leave this field blank.

END OF MONTH LAST SEQUENCE NUMBER FORMAT:

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
1. SRAN	4AN	1-4	
2. Unit Identification	1AN	5	
3. Sequence Control Number			
a. Sequence Month Code	2N	6-7	
b. Sequence Number	5N	8-12	
4. Card Number	1N	13	"1"
5. Subsystem Identifier	1A	14	"S"
6. TCC	2AN	15-16	(blank)
7. Type Report	1AN	17	"A"
8. Filler	63AN	18-80	(blank)

NARRATIVE MESSAGE FORMAT:

DATA ELEMENTS	LENGTH	CARD COLS	SPECIAL INSTRUCTIONS
1. SRAN	4AN	1-4	
2. Unit Identification	1AN	5	
3. Sequence Control Number			
a. Sequence Month Code	2N	6-7	
b. Sequence Number	5N	8-12	
4. Card Number	1N	13	"1" or "2"
5. Subsystem Identifier	1AN	14	"C"
6. TCC	2AN	15-16	"6M"
7. Type Report	1AN	17	"M"
8. Engine Identifier	2AN	18-19	
9. Narrative	61AN	20-80	

INFORMATION TYPE MESSAGES (A100):

1. FOLLOWING TRANSACTIONS ARE ROUTINE TRANSACTIONS.
2. FOLLOWING TRANSACTIONS ARE EITHER BASE CORRECTED, TILC CORRECTED OR PART OF PACKET.
3. FOLLOWING TRANSACTIONS ARE EITHER BASE VERIFIED RECURRING ERRORS, FOR BASE CORRECTION OR FOR TILC CORRECTION.
4. EOT AND/OR ENGINE HRS PREVIOUS, TRANSACTION VALUE =____ CDB VALUE =____.
5. Deleted
6. MAXIMUM ERRORS DETECTED. (MORE THAN FIVE).

A101 - ESTABLISH AND/OR MAINTAIN PART NUMBER COMPATIBILITY DATA - Function C, L, A, D, P and U - PEMOs only

PURPOSE: This program identifies engine configuration restricted by CII and Part Number - only compatible assemblies and/or components can be installed together as specified in the A101 table. Each group consists of an Assembly CII with specified PNs and installed-on NLA CII with its specified PNs as determined by LP. Compatible groups may also be linked together. Authorized LP personnel maintain this table. All PNs within a CII (103120) should be included in a specified group on CEOAA101; otherwise, edits will not be performed for those PNs. History of changes will be provided upon request to TILC.

SAMPLE: A101 Inquiry Part Number Compatibility Table

ENTER: /For CEOAA101, depress "ENTER" key.

OPTIONS:

- I - Inquire on current compatible groups
- C - Create compatible groups by CII/PN
- L - Link compatible groups
- A - Add part numbers to existing groups
- D - Delete existing part number from groups
- U - Undo Link
- P - Purge all CII's and PNs for an unlinked group

REQUIRED FIELDS TO INQUIRE:

Option - "I"
CII/PN - (Left justify PN)

Depress "ENTER" key and screen containing current information for this PN and its group will be displayed.

REQUIRED FIELDS TO CREATE:

Option - "I" (without CII/PN) and depress "Enter" key to clear screen.

Option - "C"

First Assembly - Enter CII and its part numbers associated with group to be created (tab to next PN field until all are entered for assembly CII).

NLA - Enter NLA CII (of "First Assembly" CII) to be edited against and its part numbers associated with group to be created.

Depress "Enter" key to create group. Data will be validated before accepted. Upon successful processing, the message "Group Creation Successful" will be displayed.

REQUIRED FIELDS TO LINK:

Option - "I" (without CII/PN) and depress "Enter" key to clear screen.

Option - "L"

First Assembly - Enter CII and one part number from group.

CMPT Assembly - Enter CII of compatible assembly with one part number from group.

Depress "Enter" key to link groups. If processing is successful, the message "Link Complete for Assemblies Shown" will be displayed.

REQUIRED FIELDS TO ADD:

Option - "I"

CII/PN - Enter an existing CII and PN within the group to be updated.

Depress "Enter" key and group, with all associated CII's and PNs, will be displayed. PNs may only be added for "First Assembly" and "NLA" fields.

Change option to "A". Tab to first available PN field for CII updating. Enter PN(s). If required, tab to NLA and enter PN(s) to be added. Depress "Enter" key. All fields will be validated before being updated. If any errors are detected, an error message will be displayed. Upon successful processing, the message "Add Function Complete" will be displayed.

REQUIRED FIELDS TO DELETE:

Option - "T"

CII/PN - Enter an existing CII and PN within the group to be updated.

Depress "Enter" key and group, with all associated CIIs and PNs, will be displayed. PNs may only be deleted for "First Assembly" and "NLA" fields.

Change option to "D". Tab to first available PN field for CII to be updated. Blank out PN(s) to be deleted. If required, tab to NLA and blank out PN(s) to be deleted. Depress "Enter" key. All fields will be validated before being updated. If any error is detected, an error message will be displayed. Upon successful processing, the message "Delete Function Complete" will be displayed.

NOTE: All PNs of a CII may not be deleted at one time with the "D" function; see "P" Purge function if this is required.

REQUIRED FIELDS TO UNDO LINK:

Option - "T"

CII/PN - Enter CII and one part number in group affected.

Depress "Enter" key to display linked groups.

Change option to "U".

Depress "Enter" key to de-link groups. Upon successful processing, the message "Dlnk - Complete for Assemblies Shown" will be displayed. If more than one group is linked to another group, ALL associated linked groups will be de-linked even though all groups will not be displayed to process the unlink; these may be linked again to appropriate groups as required using the "L" function.

REQUIRED FIELDS TO PURGE:

Option - "T"

CII/PN - Enter an existing CII and PN within the group to be updated.

Depress "Enter" key and group, with all associated CIIs and PNs, will be displayed. PNs may only be deleted for "First Assembly" and "NLA" fields. Group must be de-linked before it is purged.

Change option to "P;" press "Enter" key. If any error is detected, an error message will be displayed. Upon successful processing, the message "Purge Function Complete" will be displayed; the whole group will be deleted.

ERROR MESSAGES:

- CMPT ASSEMBLY CII AND PN FLDS MUST BE BLANK FOR CREATE FUNCTION
- INVALID CII/PN COMBINATION
- ACTIVE RECORD NOT FOUND
- MUST INPUT BOTH CII AND PART NUMBER FOR INQUIRY
- CANNOT CREATE/ADD ACTIVE PRE-EXISTING ASSEMBLY PN
- CANNOT CREATE/ADD ACTIVE PRE-EXISTING NLA PN
- CANNOT CHANGE EXISTING ASSEMBLY PN USING ADD FUNCTION
- ADD REQUIRES VALID CII/PN TO PROCESS
- PNS MUST BE BLANKED OUT FROM SUCCESSFUL DELETION FROM GROUP
- DELETE PERFORMED ONLY FOR BLANKED OUT PNS, CANNOT CHANGE PNS ON DELETE
- CANNOT DELETE ALL PNS FROM AN ASSEMBLY OR NLA GROUP
- INQUIRY REQUIRED PRIOR TO DELETION OF ANY RECORDS
- INQUIRY REQUIRED ON GROUPS PRIOR TO ADDITION OF PART NUMBERS
- FIRST ASSEMBLY AND CMPT ASSEMBLY CII/PNS MUST BE FILLED IN FOR LINKING GROUP
- LINK ALREADY ESTABLISHED - VERIFY INPUT

- INQUIRY REQUIRED PRIOR TO PURGE
- UNABLE TO PERFORM PURGE ON LINKED GROUPS
- INQUIRY REQUIRED ON GROUP PRIOR TO PERFORMING THE (U)NLINK FUNCTION
- LINK - INCOMPLETE FOR ASSEMBLIES SHOWN
- USER NOT AUTHORIZED TO PERFORM THAT FUNCTION
- COMPATIBILITY RECORD NOT FOUND FOR CII/PN
- MUST HAVE VALID NLA-CII TO CREATE GROUP
- DO NOT CHANGE EXISTING PART NUMBERS FOR DELETE FUNCTION, BLANK OUT PNS
- CANNOT LINK DISSIMILAR ENGINE TYPES
- CANNOT LINK IDENTICAL CIIS
- CMPT ASSEMBLY AND PART NUMBER NOT FOUND
- CMPT ASSEMBLY'S NLA CII/PN NOT FOUND

A126 - FILE MAINTENANCE BATCH REPRINT PROGRAM CDB USE ONLY.

PURPOSE: This TSO program provides a duplicate listing of the current day's daily action item listing, CEDO42.NOA116.A10D, and daily transaction register listing, CEDO42.BUA125.A10D for up to 10 SRANs per request.

REQUIRED INPUT: Job may be accessed through the Submit panel by typing "S" in the option field. A126 is then input as the job number. Data may be requested by placing "Y" in front of listing name for both A116 and A125 products. If only one of the products is needed, place a "Y" for desired product and "N" for product not needed. Information may be requested for one to 10 particular SRANs.

Sample A126.

A145 GENERATE OPERATING TIME "T" REPORTS.

PURPOSE: This TSO program generates operating time "T" Reports (monthly) for all active installed engines in accounts A, G, N, and R. These transactions are stored on history (database segment CE102150) and the Base Account File for actuarial processing. The program also creates a TSO browse product "Monthly T-Report Analysis" for use by command engine managers and TILC to monitor which bases are not updating correctly. This product lists engines which a T-Report was generated this month and last but the flying hours did not increase.

- To view T-Reports use IMS program A275. To view engines that T-Reports were generated and flying hours did not increase use the browse capability (option "B" on the "CEMS Technician Primary Menu"). The "Monthly T-Report Analysis" product is on CEMS TSO browse, select option 15 of D042A products. For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT:

Browse product is sorted in Command, SRAN, TMSM, CII, and Serial Number order. A count of total T-Reports generated and a count of T-Reports generated without an increase in FHR is provided. SRANs reporting correctly will not have engines on this product and will not be listed. Refer to Sample Format A145 for content and format.

Sample Format A145

A155 - CEMS ENGINE PARAMETER ESTIMATES

PURPOSE: This TSO program calculates times for various tracking methods from ratio estimates when only one parameter is known. These ratios can be established standards of unique SRAN/mission ratios entered by the user. Unique ratios can be entered from program E372.

•To view this job select option “S” from the “CEMS Technician Primary Menu”. For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

TO CALL UP THE RATIOS FOR AN ENGINE: Enter the basic type model and suffix (i.e. TF33A) in the ENGINE field. Press “ENTER” to view basic type model and suffixes.

TO ESTIMATE USING STANDARD FACTORS: Enter a known parameter in the value field with or without a decimal point. Estimated parameters will be calculated from the ratios in the factor field and displayed in the value field. The asterisk indicates which value was used to derive the parameter estimates.

FOR ADDITIONAL ESTIMATES: Enter “C” in the OPT field. This will clear out the existing values so a new one may be entered. If the value is in the first row it may be overtyped without the “C” option.

TO ESTIMATE WITH UNIQUE FACTORS: CAT TLC DEC and FACTOR fields may be changed or added. These fields have no tabulation so carefully position the cursor to type or overtype. A row of asterisks indicates an invalid entry. The DEC field is limited to 0, 1, or 2 (this gives the number of decimal places in the value field). Unique factors are temporary and will remain only for the session or until overtyped.

TO RESTORE PREDEFINED FACTORS: Enter “R” in the OPT field.

TO CHANGE OR ADD TO THE PREDEFINED FACTORS: Contact OC-ALC/LPAMS DSN 336-2023 or SA-ALC/LPFDR DSN 945-4372.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ENG - Basic type-model/engine identifiers.

CAT - Two digit numeric denoting tracking method.

TLC - Tracking method such as FHR or EOT

DEC - Number of decimals for a particular tracking method. Must be 0, 1, or 2.

FACTOR - Five position field with a free decimal.

VALUE - One known parameter with or without a decimal point.

Sample Format A155.

A156 RATIOS FOR ENGINE PARAMETER ESTIMATES • CDB use only.

PURPOSE: This TSO program will update the ratios for engine parameter estimates via a remote terminal entry and display and/or print text an appropriate messages for completed processing. A156 will establish, add, change, delete, and inquire standard ratio averages displayed in job A155, Engine Parameter Estimates. For additions and/or changes to standard factors, contact OC-ALC/TILC.

- Special password and log on procedures are required. This program is available only to CDB personnel with extended TSO capability. After log on see PF1 for designators assigned to the various engines.

NOTE:

Only one user can access A156 at a time. Therefore, program should be exited as soon as processing is completed.

A200 - CEMS D042 SUBSYSTEM MASTER MENU.

PURPOSE: This IMS program selects a D042A job by pressing the appropriate PF key.

ENTER: /FOR CEOAA200.

<u>PF KEYS</u>	<u>JOB NUMBER</u>	<u>JOB DESCRIPTION</u>
PF1	A205	Engine Configuration and/or Status Reporting
PF2	A240	TCTO Update
PF3	A245	Error Corrections
PF4	A250	Processing Status
PF5	A251	General Purpose Inquiry
PF6	A400	Establish and/or Maintain Part Number
PF7	A415	TCTO File Maintenance
PF8	A277	Update History Summary

A205 - ENGINE CONFIGURATION and/or STATUS REPORT.

PURPOSE: This IMS program provides a means to update the Serial Number Master with Status and Parts Tracking Reports. Additionally, it gives the user the ability to recall a previously suspended transaction by entering TP error sequence number and SRAN.

ENTER: /FOR CEOAA205.

REQUIRED FIELDS:(for Engine Configuration and/or Status Reporting).

TCC - Reference T.O. 00-25-254-1 Tables 9-67 and 9-68.

CII

SERIAL NUMBER

DATE

TIME - must be at least 1 minute more than previous engine transaction.

TYPE REPORT

Based on TCC and successful edits an appropriate second screen will be displayed for further input (see table below). Whenever processing for a given TCC is completed, the initial screen will re-appear. You may enter additional TCCs or error corrections as required. When you have completed engine configuration and/or status reporting, blank out the CII field and press the "ENTER" key. This action will return you to the screen, "CEMS MASTER MENU", from which you may exit entirely by pressing the "CLEAR" key or go on to do other types of reporting.

NOTE:

- For Gain/Loss transactions, if the engine is already in CEMS, the PN, TMSM and applicable tracking methods will be prefilled and protected.
- For cannibalization transactions at Depot activities, fill in (2L) in the TCC along with appropriate CII, S/N, date, time, and press "ENTER". The second screen will return asking for NSN. Fill in (NSN) and the word (DELETE) and press "ENTER". A screen will be returned with message "CANNIBALIZATION RECORD DELETED".
- 2P Changes MDS/Position number of spare engine and is used at Depot Level.
- 2M is a Unit ID change for base and depot level activities.
- On input of data left justify the entry and leave the remainder of the field blank unless specifically directed to do otherwise.
- 6W to change absolute value of exhaust gas temperature for F108 Engine only. For Base and Depot level activities.
- Extreme caution must be exercised when performing REMOVAL and INSTALLATION transactions because of unique capabilities built into these functions. Under certain conditions input data will be re-displayed from the previously completed transaction. When this occurs simply review all re-displayed data, key over the non-applicable data with correct information for the current CII S/N and press "ENTER".

<u>TRANSACTIONS</u>	<u>PCN</u>	<u>SAMPLE</u>
A205 ENGINE CONFIGURATION/STATUS REPORT	CEDO42.MUA205.A1SA	A205-1
GAIN/LOSS INSTALLED TRANSACTION	CEDO42.MUA210.A4SA	A205-2
GAIN/LOSS UNINSTALLED TRANSACTION	CEDO42.MUA210.A1SA	A205-3
INSTALL RECEIPT TRANSACTION	CEDO42.MUA210.A3SA	A205-4
INSTALLATION TRANSACTION (Input Screen)	CEDO42.MUA210.A4SA	A205-5A
INSTALLATION TRANSACTION	CEDO42.MUA210.A4SA	A205-5B
INITIALIZATION TRANSACTION	CEDO42.MUA210.A4SA	A205-6
MASS INSTALLATION	CEDO42.MUA211.A1SA	A205-7

<u>TRANSACTIONS</u>	<u>PCN</u>	<u>SAMPLE</u>
MASS REMOVAL	CEDO42.MUA211.A2SA	A205-8
REMOVAL TRANSACTION (SERVICEABLE BUILT-UP)	CEDO42.MUA215.A1SA	A205-9A
REMOVAL TRANSACTION (MAJOR REPAIR)	CEDO42.MUA215.A1SA	A205-9B
REMOVAL TRANSACTION (REPARABLE WITH QEC)	CEDO42.MUA215.A1SA	A205-9C
UNINSTALL SHIPPED TRANSACTION (SER. BUILT-UP)	CEDO42.MUA216.A1SA	A205-10A
UNINSTALL SHIPPED TRANSACTION (MAJOR REPAIR)	CEDO42.MUA216.A1SA	A205-10B
AIRCRAFT ENGINE RECEIPT	CEDO42.MUA227.A4SA	A205-11
AIRCRAFT ENGINE TRANSFER	CEDO42.MUA228.A4SA	A205-12
UNINSTALL TRANSFER TRANSACTION	CEDO42.MUA216.A2SA	A205-13
UNINSTALL RECEIPT TRANSACTION (BUILT-UP)	CEDO42.MUA216.A3SA	A205-14A
UNINSTALL RECEIPT TRANSACTION (RAW)	CEDO42.MUA216.A3SA	A205-14B
ORGANIZATION CODE CHANGE TRANSACTION	CEDO42.MUA220.A1SA	A205-15
CANNIBALIZATION TRANSACTION	CEDO42.MUA220.A2SA	A205-16
WORK STOP TRANSACTION	CEDO42.MUA220.A3SA	A205-17
WORK START TRANSACTION	CEDO42.MUA220.A3SA	A205-18
NMCS TRANSACTION	CEDO42.MUA220.A3SA	A205-19
AWAIT DISPOSITION TRANSACTION	CEDO42.MUA220.A3SA	A205-20
TEST CELL REJECT TRANSACTION	CEDO42.MUA220.A3SA	A205-21
WORK COMPLETED TRANSACTION	CEDO42.MUA220.A4SA	A205-22
CHANGE IN MAINTENANCE TRANSACTION	CEDO42.MUA220.A5SA	A205-23A
CHANGE IN MAINTENANCE TRANSACTION (PARTS)	CEDO42.MUA220.A5SA	A205-23B
WORKLOAD PROCESSING TRANSACTION	CEDO42.MUA220.A6SA	A205-24
INITIALIZE WINDOW VALUES	CEDO42.MUA225.A1SA	A205-25
UPDATE TRANSACTION	CEDO42.MUA225.A2SA	A205-26
SINGLE ENGINE UPDATE	CEDO42.MUA226.A2SA	A205-27
AIRCRAFT UPDATE	CEDO42.MUA226.A2SA	A205-28
MANUAL CHANGE	CEDO42.MUA230.A1SA	A205-29
UPDATE MAINTENANCE DATA/SN LIMIT	CEDO42.MUA230.A2SA	A205-30
ADD TRANSACTION	CEDO42.MUA231.A1SA	A205-31
SUBTRACT TRANSACTION	CEDO42.MUA231.A1SA	A205-32
ENGINE ID CHANGE	CEDO42.MUA231.A2SA	A205-33
MASS INITIALIZATION TRANSACTION	CEDO42.MUA223.A1SA	A205-34
EXHAUST GAS TEMPERATURE	CEDO42.MUA231.A1SA	A205-35

REQUIRED FIELDS: (For Recalling a Previously Suspended or Transaction Error).

ERROR SEQUENCE NUMBER

SRAN

- To recall a suspended error for correction move cursor to the error sequence number field and type in suspended sequence number and SRAN. Press "ENTER". Once an error is recalled, it is cleared from Part 1 of the EMDL. This procedure may be used to ***delete*** an error by recalling it and then pressing the "CLEAR" key. An error is ***corrected*** by calling it up and reentering the correct data then pressing the enter key. You should then be returned to the 205 screen with a message of "PROCESSING COMPLETE" and a new assigned sequence number.

ERROR MESSAGES:

- CII HAS NO CATALOG 11 OR 07.
- AAA INVALID NHA FOR SPARE.
- DDD CANT LOSE OTHER THAN INSTLD ENG.
- FFF INCOMPLETE CONFIGURED ITEM.
- GGG BAD 103140 NLA CALL.
- HH1 or HHH ENGINE SERIAL NOT IN CDB (NLA).
- III NLA TABLE OVERFLOW.
- JJJ INVALID TSN VALUE.
- KKK BAD BASE FILE.
- LLL BAD AIRCRAFT TABLE FILE.
- MMM BAD NLA INSERT UNDER NHA.
- NNN BAD SERIAL NUMBER FILE.
- OOO BAD NHA SERIAL NUMBER FILE.
- PPP BAD UPDATE HISTORY FILE.
- QQQ BAD AF FORM 1534 HISTORY FILE.
- RRR BAD HOLD FILE.
- SSS BAD CANNIBALIZATION FILE.
- TTT BAD 101RSA ENGINE-ID WUC CALL.
- CANNOT SUSPEND ERROR DUE TO CRITICAL DB ERROR STOP PROCESSING.
- PROCESSING INCOMPLETE.
- ENTER AT LEAST ONE TLC VALUE.
- NLA TABLE MAXED OUT.
- UNABLE TO SUSPEND ERROR.
- NOTIFY TILC OF NEED TO INCREASE NLA TABLE SIZE.
- DO YOU WISH TO SUSPEND ERROR (Y OR N).
- CAT NOS 103RSG UNEQUAL 102RSG.
- GET TO THE MSG QUE FAILED.
- INSERTED TO THE SCREEN FAILED.
- NEG VALUE CII AND/OR SERIAL NUMBER.
- SCREEN INSERT FAILED.
- RECEIVED UNEXPECTED SYSTEM RETURN.
- ERROR SUSPENSION FAILED.
- BBB INVALID NLA SERIAL NUMBER.
- THIS TERMINAL NOT AUTHORIZED TO UPDATE HIGHLIGHTED SRAN.
- 6W VALID FOR F108 ENGINE CII ONLY.
- SPECIAL CHARACTERS NOT ALLOWED.
- 511-TLC/VALUE INVALID.

INFORMATION MESSAGES:

- SUCCESSFUL SUSPENSION.
- PROCESSING COMPLETE.
- SUCCESSFUL SUSPEND, SEQUENCE NUMBER.

A222 - ENGINE LOCATION AND/OR REPRESENTATION UPDATE • OC-ALC/DS

only except for inquiry.

PURPOSE: This IMS program inquires and updates engine supply location and representation status.

ENTER: /FOR CEOAA222.

OPTIONS: I - INQUIRY A - ESTABLISH C - CHANGE R - REPORT INSPECTION

REQUIRED FIELDS to ESTABLISH:

OPTION - A

CII

SERIAL NUMBER

REPRESENTATION CODE (see below)

- K01 Engine no defects.
- H01 Expiration of one year for preservation of serviceable engines on trailers.
- H02 Expiration of 180 days for preservation of reparable engines on trailers.
- H03 Reparable trailer (includes wheel bearings outdated).
- P11 Preservation inadequate (nitrogen pressure less than one lb.).
- G12 Oxygen content exceeds 9.1%.
- P22 No humidity indicators.
- P23 Humidity indicator (pink chart).
- P74 Damaged container.
- P97 Improper method of unit protection (engine not properly wrapped).

NOTE

Code K01 will be inserted by the program. If a different code is required, simply key in the data.

STORAGE LOCATION AND DATE OF ACTION - Julian date. The program will insert today's date. If different date is required, simply key in the data.

- All required fields must be typed in as described above. If the record were added a message would be displayed at the bottom of the screen stating "ENTRY ADDED".
- Before a CHANGE/REPORT INSPECTION can be made to a previously established record, an INQUIRY should first be made on that record. After a successful INQUIRY has been completed, changes can be made by typing over the existing field(s) to be changed.

ERROR MESSAGES:

- **ENTRY ALREADY EXISTS.** If this message is displayed, a record with the CII and S/N used already exists.
- **STORAGE LOCATION REQUIRED.** If this message is displayed, an establish or change option has been attempted with a blank storage location. Storage location must not be blank.
- **INVALID REPRESENTATION CODE.** If this message is displayed, an unauthorized representation code was used.
- **INVALID DATE.** If this message is displayed, an unauthorized date was used. Date must be Julian and not over 90 days old.

Sample Format A222

A238 - STOCK LEVEL UPDATE TABLE • LP use only except for inquiry.

PURPOSE: This IMS program will inquire and update the stock level table. This program is a CDB internal operating program and is provided for user information only.

ENTER: /FOR CEOAA238.

OPTIONS: I - INQUIRY C - CHANGE

REQUIRED FIELDS to INQUIRE:

TRANS - I

ENGINE ID

WUC

REQUIRED FIELDS to CHANGE:

TRANS - C

PASSWORD

ENGINE ID

WUC

PARAMETERS TO BE CHANGED (four-position numeric)

- (1) Economic Retention Stock
- (2) Contingency Retention Stock
- (3) Numeric Retention Stock
- (4) Potential Excess Stock

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ROUTING IDENTIFIER - Three-position code denoting the ALC.

DOD CATEGORY OF MATERIAL CODE - Two-position material code.

AGENCY CATEGORY OF MATERIAL CODE - Two-position agency code.

APPROPRIATION TITLE CODE - Four position fund code.

PRINCIPAL OR SECONDARY ITEMS (P or S) - One position type item.

WHOLESALE OR RETAIL ITEM (W or R) - One position type stock code.

APPROVED FORCE ACQUISITION OBJECTIVE - \$ value acquisition objective.

WAR RESERVE MATERIAL

APPROVED FORCE RETENTION

UNSTRATIFIED STOCK

APPROVED FORCE ACQUISITION OBJECTIVE

WAR RESERVE STOCK

APPROVED FORCE RETENTION STOCK

ECONOMIC RETENTION STOCK

CONTINGENCY RETENTION STOCK

NUMERIC RETENTION STOCK

POTENTIAL EXCESS STOCK

TOTAL ASSETS

UNITED STATES

FOREIGN COUNTRIES AND AFLOAT

OUTLYING AREAS OF THE UNITED STATES

NUMBER OF ITEMS

IN USE - Engines installed

N STORE - Engine spares

ERROR MESSAGES:

- YOU ARE NOT AN AUTHORIZED USER.
- ENG ID WUC NOT FOUND.
- STOCK LEVEL MUST BE NUMERIC.
- LEVELS CHANGED.

Sample Format A238

A240 - TCTO UPDATE

PURPOSE: This IMS program is used to update TCTO status and/or the when to accomplish date of one to twenty five S/Ns at a time for a specified CII and/or TCTO data code. It is also used to report total actual manhours expended in compliance of a TCTO. Additionally, if the TCTO status code of S/N(s) is in a closed status (01-05, 22) in error, or if the input manhours are in error, this job may be used to reverse the status code, and zero out actual manhours. See T.O. 00-25-254-1 page 3-6 para 3-6 for description of AF Form 1559, "D042 TCTO STATUS REPORTING", data element entries.

ENTER: /FOR CEOAA240

REQUIRED FIELDS FOR UPDATING TCTO STATUS CODE (*):

*CII

*DATA CODE

*STATUS CODE - Input only when updating the TCTO status code; otherwise, leave blank. If current status is 01, 02, 03, or 22 a reversal transaction is required (see below).

- 01 - TCTO completely complied with.
- 02 - TCTO previously complied with.
- 03 - TCTO complied with by record check or inspection.
- 04 - TCTO N/C/W cancelled.
- 05 - Equipment permanently transferred or lost from Air Force inventory.
- 06 - TCTO partially C/W ready for work.
- 07 - TCTO partially C/W kits, parts, and/or tools test equipment on order.
- 08 - TCTO N/C/W condition inspection required.
- 09 - TCTO N/C/W held in abeyance.
- 10 - TCTO N/C/W placed in work or reported C/W in error.
- 11 - TCTO N/C/W kits and/or parts, on order but not received.
- 12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required.
- 13 - TCTO N/C/W test support equipment not available.
- 14 - TCTO N/C/W equip kits, parts, and/or test equipment on hand but equipment not available for modification.
- 15 - TCTO N/C/W event type TCTO.
- 16 - TCTO N/C/W depot level TCTO only.
- 17 - TCTO N/C/W TCTO ready for work.
- 18 - Depot level TCTO, partially C/W.
- 19 - TCTO not released by the prime ALC.
- 20 - Kits on hand, parts on order.
- 21 - TCTO established in CEMS CDB with release and rescission date not complied with.
Applies to O and I TCTOs.
- 22 - TCTO not applicable to this equipment.

*STATUS DATE - Input only when updating TCTO status (YYDDD), otherwise leave blank.

*ACCOMPLISHING SRAN - must possess S/N in CEMS to update status.

*ACCOMPLISHING COMMAND

ACTUAL MANHOURS - The accumulated, total time expended against this TCTO (five positions with tenths, i.e. 00015 for 1.5 manhours.) Total manhours is required for status codes 01, 02, and 03 and optional for status codes 06, 07, and 18. Must be blank for all other open status codes.

REVERSAL - Must be blank.

PASS/FAIL - Input "P" (pass) or "F" (fail) if required by depot for inspection TCTO. Use with status code 01, 02 or 03 only. Otherwise, leave blank.

WORK CENTER - Optional

WORK ORDER NUMBER - Optional

ACCOMPLISH BY DATE - Optional. When to accomplish date (YYDDD). Use only when establishing and/or updating the when-to-accomplish-by date for S/Ns.

*SERIAL NUMBER - At least one and a maximum of twenty-five S/Ns.

REQUIRED FIELDS FOR REVERSAL OF TCTO CLOSED (01, 02, 03, 22) STATUS CODE (*):

*CII

*DATA CODE

*STATUS CODE - MUST BE "10".

*STATUS DATE - (YYDDD)

*ACCOMPLISHING SRAN

*ACCOMPLISHING COMMAND

ACTUAL MANHOURS - must be blank.

*REVERSAL - Must be "X".

PASS/FAIL - Leave blank.

WORK CENTER - Optional

WORK ORDER NUMBER - Optional

ACCOMPLISH BY DATE - Leave blank.

*SERIAL NUMBER - At least one and a maximum of twenty-five S/Ns.

NOTE: Do not leave in status code 10. Update with correct status immediately.

ERROR MESSAGES:

- STATUS RECORD DOES NOT EXIST - Notify OC-ALC/TILC.
- XXXXXXXXXXXX EXISTS FOR XX119XX (used for F119 interchange parts only) - Requested serial number was found on F119 interchangeable table with the CII listed in error message. Enter correct CII and function L to list TCTO data.
- UNEXPECTED SYSTEM STATUS CODE - Notify OC-ALC/TILC.
- ERROR SUSPENSION FAILED - Reference A255 program.
- INVALID ACCOMPLISHING COMMAND - Command code used cannot be found on table or is blank.
- INVALID ACCOMPLISHING SRAN - (This message will appear for each rejected S/N with the S/N and possessing SRAN.) SRAN code entered cannot be found on the base master record, or SRAN code entered does not match the possessing SRAN in the CII S/N master record.
- INVALID ACTUAL MANHOURS - Actual manhours entered was not numeric (i.e. 00045 for 4.5).
- TOTAL MANHOURS REQ FOR 01, 02, AND 03. Status code 01, 02, 03 used and ACT MANHRS field blank
- INVALID CII
- INVALID TCTO DATA CODE

- **INVALID REVERSAL STATUS CODE** - The input status code is 01-05 or 22, and reversal code X has been entered. User cannot reverse status code from a complied status to another complied status. Use status code 10 for reversal.
- **INVALID STATUS CODE** - The input status code is either spaces or greater than 22.
- **INVALID USE OF STATUS CODE 19** - The input status code is 19, and the current status code of the TCTO status record is 19. If status code 19 is correct, no further action is required - Transaction is rejected.
- **INVALID REVERSAL CODE; USE X** - Reversal code entered does not equal either space or X.
- **INVALID ITEM S/N** - The input S/N entered is either blank, or is not in the S/N master record.
- **INVALID STATUS DATE** - The input status date is either not numeric, or greater than the current date.
- **TCTO ALREADY COMPLIED** - The input status code is 01-03, or 22 and the prior status code is already 01-03, or 22 (closed). Must use reversal status code 10.
- **EXISTING TCTO NOT COMPLIED** - On a reversal transaction, the status code of the status record is 06-21. No action required. It is not necessary to reverse the status code of a S/N not complied with.
- **TCTO IS RESCINDED OR RETIRED** - The TCTO master record indicates that this TCTO is already retired or rescinded.
- **INVALID FUNCTION, USE REVERSAL** - User has attempted to change a closed status code (01-05, 22). Reversal transaction is required.
- **THIS TERMINAL NOT AUTHORIZED TO UPDATE HIGHLIGHTED SRAN** - SRAN entered does not possess S/N.
- **INVALID ACCOMPLISH BY DATE** - The input date is not numeric, equal to, or greater than current date.
- **INVALID STATUS CODE AND WHEN TO ACCOMPLISH DATE** - TCTO status code and when to accomplish date are both spaces. (At least one of these fields must be input.)
- **INVALID PASS/FAIL INDICATOR** - "P" or "F" required by depot for inspection TCTO.
- **PASS/FAIL INDICATOR NOT REQUIRED** - This field is not required by depot. Leave blank.
- **UNAUTHORIZED USE OF STATUS CODE 04** - Cancellation of a TCTO requirement can only be made by depot. If TCTO personnel at depot have canceled the requirement, the 04 action for all applicable S/Ns will be accomplished by depot.
- **INVALID USE OF TCTO STATUS CODE 05** - TCTO status code 05 input on S/N in active status (not in loss status code). The user is attempting to code S/N as lost to Air Force inventory that CEMS CDB shows to be in Air Force inventory. If S/N is in Air Force inventory, update to appropriate TCTO status other than 05 or leave status as it is. If S/N is not in Air Force inventory, contact appropriate personnel to get the correct loss TCC input to CEMS CDB for applicable S/Ns.
- **SUCCESSFUL SUSPENSION, SEQUENCE NUMBER NNNNNNNN** - Sequence number(s) may be annotated for later error correction or IMSA job A255 may be used to identify all suspended error sequence numbers by SRAN, or by SRAN and terminal ID/user ID. For all errors suspended at a specific base type in SRAN and press "ENTER". For all errors suspended at a specific PC, type in SRAN (i.e. 2039) and terminal ID/user ID (i.e. cexxx), then press "ENTER". To recall a suspended error for correction use IMSA job A205. Move cursor to the error sequence number field and type in suspended sequence number and SRAN. Press "ENTER" for TCTO update screen. Make corrections and press "ENTER" for processing.
- If a field is invalid you will receive an error message with the incorrect field highlighted. Correct any errors and re-enter or use the option of suspending the error to be corrected at a later time. After each function is performed successfully or after returning from suspending an error, "PF1" will provide Master Menu for screen swap codes, or enter screen swap code in reversal field.

Sample Format A240

A241 - TCTO UPDATE BY SERIAL NUMBER.

PURPOSE: This IMS program is used to update TCTO status code and/or status date and/or reporting total actual manhours expended in compliance of one to ten TCTO numbers at a time for a specified CII S/N. Additionally, if the TCTO status code is in a closed status (01-05, 22) in error, the job may be used to reverse the status code and zero out actual manhours. Only Depot can change the P/N fields.

ENTER: /FOR CEOAA241

REQUIRED FIELDS FOR UPDATING TCTO STATUS CODE/STATUS DATE/MANHOURS (*):

*CII

*S/N - Any serial number may be viewed, but S/N must be assigned to your SRAN in CEMS to update status.

*SRAN - Accomplishing SRAN.

*OPT - A - will list all active TCTOs against this S/N.

C - will list only active TCTOs in a closed status (01-05, 22) against this S/N.

O - will list only active TCTOs in an open status (06-21) against this S/N.

*FUNCT - L - used to list the active TCTOs for the option selected. *Function "L" must always be used first to list the TCTOs for updating.* Then use the following:

P - use to process updates of status code/status date/manhours /pass or fail indicator for inspection TCTOs.

F - use to page forward when there are multiple screens.

B - use to page backward when there are multiple screens.

T - use to return to the top of data (first screen).

S - use to suspend error

*SEL IND - Select Indicator. Enter "U" in this column to the left of each TCTO to be updated. You may update/reverse as many TCTOs listed on the screen as you choose.

REV IND - Reversal Indicator. Leave this column blank. (see below)

PASS FAIL - Input "P" (pass) or "F" (fail) if required by depot for inspection TCTO. Use with status code 01, 02, 03 only. Otherwise, leave blank.

TCTO NUMBER - Ten TCTOs can be displayed per screen. Use function F to go forward to view/update next screen if more than 10 TCTOs against selected S/N.

*STATUS CODE - Overlay status shown with updated status. If status shown is 01, 02, 03, or 22, a reversal transaction is required.

01 - TCTO completely complied with.

02 - TCTO previously complied with.

03 - TCTO complied with by record check or inspection.

04 - TCTO N/C/W cancelled.

05 - Equipment permanently transferred or lost from Air Force inventory.

06 - TCTO partially C/W ready for work.

07 - TCTO partially C/W kits, parts, and/or tools test equipment on order.

08 - TCTO N/C/W condition inspection required.

09 - TCTO N/C/W held in abeyance.

- 10 - TCTO N/C/W placed in work or reported C/W in error.
- 11 - TCTO N/C/W kits and/or parts, on order but not received.
- 12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required.
- 13 - TCTO N/C/W test support equipment not available.
- 14 - TCTO N/C/W equip kits, parts, and/or test equipment on hand but equipment not available for modification.
- 15 - TCTO N/C/W event type TCTO.
- 16 - TCTO N/C/W depot level TCTO only.
- 17 - TCTO N/C/W TCTO ready for work.
- 18 - Depot level TCTO, partially C/W.
- 19 - TCTO not released by the prime ALC.
- 20 - Kits on hand, parts on order.
- 21 - TCTO established in CEMS CDB with release and rescission date not complied with. Applies to O and I TCTOs.
- 22 - TCTO not applicable to this equipment.

*STATUS DATE -Overlay Julian date shown with date of status change.

*MANHOURS - The accumulated total time expended against this TCTO (five positions with tenths, i.e. 00015 for 1.5 total manhours). Time entered is considered total, prior times are eliminated. Total manhours is required for status codes 01, 02, 03, and optional for status codes 06, 07, and 18. Manhours can not be used with any other status.

NOTE: PART NUMBER FIELDS can only be changed by depot and are separate transactions from status codes/date/manhour changes and cannot be processed at the same time.

OLD PART NUMBER - The part number in CEMS at time TCTO was loaded against the selected serial number. This field can be changed by depot only in the following manner: (1) Change old part number with status codes 06-21, (2) Change the old part number with new part number field blank, with status code 01, 02, or 03. Any other changes to this field will not affect the current part number in CEMS.

NEW PART NUMBERS - The part number of the selected serial number on compliance (01, 02, 03) of TCTO. This field can be changed by depot only in the following manner: (1) If TCTO is in an open status (06 - 21) and this field is changed, this field only updates, allowing part number change on compliance of TCTO, (2) If TCTO is in a complied status (01, 02, 03) and this field is changed, or added if blank, the current part number in CEMS is also updated.

REQUIRED FIELDS FOR REVERSING TCTO STATUS CODE/STATUS DATE/MANHOURS (*):

*CII

*S/N - Any S/N may be viewed, but S/N must be assigned to your SRAN in CEMS to reverse status.

*SRAN - Accomplishing SRAN.

*OPT - A - will list all active TCTOs against this S/N.

C - will list only active TCTOs in a closed status (01-05, 22) against this S/N.

O - will list only active TCTOs in an open status (06-21) against this S/N.

*FUNCT - L - used to list the active TCTOs for the option selected. *Function L must always be used first to list the TCTOs for reversing.* Then use the following:

P - use to process reversal.

F - use to page forward when there are multiple screens.

B - use to page backward when there are multiple screens,

T - use to return to the top of data (first screen).

S - use to suspend error

SEL IND - Select Indicator. Leave this column blank.

*REV IND - Reversal Indicator. Enter "X" in this column to the left of each TCTO to be reversed (only status codes 01, 02, 03, 22 can be reversed). You may reverse/update as many TCTOs listed on the screen as you choose.

PASS/FAIL - Leave blank.

TCTO NUMBER - Ten TCTOs can be displayed per screen. Use function F to go forward to view/update next screen if more than 10 TCTOs against selected S/N.

*STATUS CODE - Overlay status shown with status code 10.

*STATUS DATE - Overlay Julian date shown with date of status change.

MANHOURS - Any manhours listed will automatically be zeroed out when changed to status code 10.

OLD/NEW PART NUMBERS - If part number roll was applicable, part number will programmatically reverse to old part number listed.

•NOTE: Do not leave in status code 10. Update with correct status immediately.

USER NOTIFICATION MESSAGES:

___ RECORDS UPDATED. PROCESSING COMPLETE NO MORE DATA.

00 RECORDS UPDATED--SUSPEND OR CORRECT--REPROCESS NO MORE DATA.

SUCCESSFUL SUSPENSION SEQ-NO ___. (If error was suspended)

NO TCTO STATUS RECORDS SELECTED.

ERROR MESSAGES:

- NO TCTOs LOADED FOR CII, S/N.
- CII AND S/N COMBINATION IS INCORRECT.
- XXXXXXXXXXXX EXISTS FOR XX119XX (used for F119 interchange parts only) - Requested serial number was found on F119 interchangeable table with the CII listed in error message. Enter correct CII and function L to list TCTO data.
- OPTION SELECTED IS NOT A, C, OR O.
- INVALID CII - CII not found on CII table.
- INVALID S/N - S/N not found on S/N table.
- INVALID ACC SRAN - SRAN not found on database or SRAN entered does not possess asset.
- INVALID FUNCTION - Function must be L, P, F, B, T, or S. List required for new CII, S/N, and/or SRAN. When logging on job or changing the CII, S/N, and/or SRAN, the next function must be L to list the applicable TCTOs.
- INVALID STATUS FOR MANHOUR CHANGE - Input status code must be 01, 02, 03, 06, 07, or 18 to update manhours. Manhours cannot be updated with any other status.
- INVALID STATUS DATE - The input status date is either not numeric or greater than the current date.
- INVALID NEW P/N AND/OR MDS - P/N entered by depot is either invalid, not loaded in CEMS part number table, or is not compatible with the MDS for this S/N.
- INVALID TCTO STATUS CODE - Input status code is either spaces or greater than 22.
- INVALID PASS/FAIL INDICATOR - "P" or "F" required by depot for inspection TCTO.
- PASS/FAIL INDICATOR NOT REQUIRED - This field is not required by depot.
- TOTAL MANHRS REQ FOR 01, 02, and 03 - Overlay zeroes in manhour field with total manhours (i.e. 00015 for 1.5 manhours).
- REOPEN REQUIRES STAT CD 10 - Use status code 10 with "X" in reversal column to change a closed status (01-03, 22) to an open status (06-21).

TO 00-25-254-2

- **INVALID FUNCTION** - use Reversal. Use "X" under REV IND for TCTO with a status code of 01, 02, 03, and 22.
- **INV ST** - Currently in status (_).
- **INVALID USE OF STATUS CODE 05** - Cannot change to 05, a loss transaction is required.

Sample Format A241

A245 ERROR CORRECTIONS • CDB Use only.

PURPOSE: This IMS program provides capability to perform batch error correction via means of a video display terminal entry. The procedures discussed herein are intended to provide the user a clear understanding of how error correction and missing transaction information will be entered into the system (samples 1-10). Noted that many of the input screens used in this job are for multi-purpose use and only the data elements which are applicable to a given transaction should be entered.

ENTER: /FOR CEOAA245

<u>FUNCTIONS</u>	<u>PCN</u>	<u>SAMPLE</u>
ERROR CORRECTION MENU	CEDO42.MUA245.A1SA	A245-1
A - INQUIRE BATCH INPUT HOLD RECORD (CE100110).	CEDO42.MUA245.A2SA	A245-2
B - ESTABLISH INPUT HOLD RECORD (CE100110).	CEDO42.MUA245.A2SA	A245-3A
	CEDO42.MUA245.A3SA	A245-3B
C - INQUIRE AND/OR CORRECT BATCH ERROR STATISTICS RECORD (CE100140).	CEDO42.MUA245.A6SA	N/A
D - INQUIRE INTO BATCH ERROR HOLD RECORD (CE100120).	CEDO42.MUA245.A2SA	A245-4
E - ESTABLISH BATCH ERROR HOLD RECORD (CE100120).	CEDO42.MUA245.A2SA	A245-5
F - CORRECT BATCH ERROR HOLD RECORD (CE100120).	CEDO42.MUA245.A2SA	A245-6
G - MOVE BATCH ERROR HOLD RECORD (CE100120) TO THE ERROR STATISTICS RECORD (CE100140).	CEDO42.MUA245.A6SA	A245-7
H - MOVE A RANGE OF ERRORS TO ERROR STAT RECORD.	CEDO42.MUA245.A7SA	A245-8

REQUIRED FIELDS for INQUIRY FUNCTIONS A, C, AND D:

SRAN

SEQUENCE NUMBER

SUFFIX - "M"

FUNCTION CODE - "A", "C", OR "D"

PRESS ENTER KEY

If processing is successful, a screen will appear with the requested information displayed. If processing is unsuccessful, a message will indicate the problem.

REQUIRED FIELDS for ESTABLISH FUNCTION B:

SRAN

SEQUENCE NUMBER

SUFFIX - "M"

Provide the transaction and/or condition code and subsystem ID for the transaction to be established.

PRESS ENTER KEY

Upon return of the screen with the fields needed to establish the new batch input hold record, the following procedure is to be followed:

1. Card # - Enter the quantity of cards contained in a normal batch transaction.

2. Date Sent - Enter the date that transaction was received by the CDB.
3. Process Flag - Enter a "D" only if processing of the transaction is not desired.
4. Enter only the fields necessary to establish the desired transaction for the input hold record (CE100110).

If processing is successful, a screen will appear with the added transaction and message "SEQ # ____ Established on 110". If processing is unsuccessful, a message will indicate the problem.

REQUIRED FIELDS for ESTABLISH FUNCTION E:

SRAN

SEQUENCE NUMBER

SUFFIX - If transaction is to be inserted before an existing sequence #, use A-L; if after use N-Z.

FUNCTION CODE - "E".

Provide the transaction and/or condition code and subsystem id for the transaction to be established.

PRESS ENTER KEY.

Upon return of the screen with the fields needed to establish the new ERROR HOLD RECORD, the following procedure is to be followed:

1. Card # - Enter the quantity of cards contained in a normal batch transaction.
2. Date Sent - Enter the date that transaction was received by the CDB.
3. Process Flag - Enter a "D" only if processing of the transaction is not desired
4. Enter only the fields necessary to establish the desired transaction record (CE100120).

PRESS ENTER KEY.

If processing is successful, a screen will appear with the added transaction and message "SEQ # ____ Established on 120". If processing is unsuccessful, a message will indicate the problem.

REQUIRED FIELDS for CORRECT FUNCTION F:

SRAN

SEQUENCE NUMBER

SUFFIX - "M".

FUNCTION CODE - "F".

PRESS ENTER KEY.

Upon return of the screen with the CURRENT DATA ON the BATCH ERROR HOLD RECORD, the following procedure is to be followed:

1. Change fields which need to be corrected.
2. Correct Code - See Job A260 of this manual for a listing of correct codes. For routine correction of an error by TILC use correct "C".
3. Press Enter Key.

If processing is successful, a screen will appear with the corrected transaction and message "SEQ # ____ Has Been Corrected". If processing is unsuccessful, a message will indicate the problem.

REQUIRED FIELDS for FUNCTION G:

TO MOVE BATCH ERROR HOLD RECORD (CE100120) TO THE ERROR STATISTICS RECORD (CE100140)

SRAN

SEQUENCE NUMBER

SUFFIX - "M".

FUNCTION CODE - "G".

ENTER CORRECT CODE - "C" or "N". (This determines if the error is to be charged on the error and/or variance report.)

PRESS ENTER KEY.

If processing is successful, a screen will appear with the message "SEQ # ____ Successfully Moved". If processing is unsuccessful, a message will indicate the problem.

REQUIRED FIELDS for FUNCTION H:

TO MOVE A RANGE OF BATCH ERROR HOLD RECORDS (CE100120) TO THE ERROR STATISTICS RECORDS (CE100140).

SRAN.

SEQUENCE NUMBER - Beginning sequence number of the range to be moved.

SUFFIX - "M".

FUNCTION CODE - "H".

PRESS ENTER.

When the move range screen returns, the following procedure is to be followed:

1. Provide the ending sequence number of the range to be moved, and suffix "M".
2. Enter Password.
3. Press Enter Key.

ENTER CORRECT CODE - "C" or "N". (This determines if the error is to be charged on the error and/or variance report.)

If processing is successful, a screen will appear with the message "SEQ # ____ thru ____ Moved". If processing is unsuccessful, a message will indicate the problem.

ERROR MESSAGES:

1. Highlighted fields in error correct and re-enter. System error, reference chapter 1-7.
2. SRAN not found.
3. Sequence control number not found.
4. Sequence number already exists.
5. Get in U0000 call failed. System error, reference chapter 1-7.
6. Get in U1000 call failed. System error, reference chapter 1-7.
7. Delete in U1000 call failed. System error, reference chapter 1-7.
8. Replace in U1000 call failed. System error, reference chapter 1-7.
9. Insert in U2000 call failed. System error, reference chapter 1-7.
10. Unexpected system return. System error, reference chapter 1-7.
11. Message que not read. System error, reference chapter 1-7.
12. Insert to msg que failed. System error, reference chapter 1-7.
13. Range limited to 100 transactions. Reference chapter 1-7.
14. Invalid Password. Reference chapter 1-7.
15. This terminal not authorized to update highlighted SRAN.

A250 - PROCESSING STATUS • CDB use only except for inquiry

PURPOSE: This IMS program provides a visual display of transaction status by SRAN with four options. Also displays transmission method and date last transaction received or processed.

ENTER: /FOR CEOAA250

OPTIONS:

- 1 - Lists Sequence Number Ranges (missing and available).
- 2 - Base Status.
- 3 - Base status revision (last sequence to process and stop-code).
- 4 - Delete transaction

REQUIRED FIELDS FOR SEQUENCE NUMBER RANGE:

OPTION - 1

SRAN

- The information returned is last sequence number processed, last sequence number to be processed, current stop code and list of available and missing sequence number ranges.

REQUIRED FIELDS FOR BASE STATUS:

OPTION - 2

SRAN

- The information returned is last sequence number to be processed and current stop code.

REQUIRED FIELDS FOR BASE STATUS REVISION:

OPTION - 3

SRAN

VALID PASSWORD

For Sequence Number Revision: Enter new sequence numbers only in fields you desire to change. For Setting Stop Code: In appropriate field enter "STOP" for no processing, "ON" to allow processing and "MCTL" for limited processing.

REQUIRED FIELDS FOR DELETE TRANSACTIONS:

OPTION - 4

SRAN

VALID PASSWORD

RANGE OF TRANSACTION SEQUENCE NUMBERS TO BE DELETED

ERROR MESSAGES: If a field is invalid, you will receive an error message(s) with the incorrect field(s) highlighted. Correct any errors and re-enter. Note: If a required field was left blank highlighted stars will indicate erroneous fields.

- INVALID OPTION ENTERED RE-ENTER.
- INVALID PASSWORD ENTERED RE-ENTER.
- INVALID PARAMETERS ENTERED.
- TRANSACTIONS MUST BE NUMERIC.
- BEGIN-DELETE NOT END-DELETE.

- ERROR ON RETRIEVE OF CE100110 (SYSTEM ERROR. Notify Programmer).
- A-TYPE REPORT NOT FOUND.
- LAST-SEQ-TO-PROCESS NOT FOUND.
- LAST-SEQ-TO-PROCESS CHANGED TO.
- STOP CODE CHANGED TO.
- LAST-SEQ-PROCESSED CHANGED TO.
- ERROR ON REPLACE OF CE100RSG (SYSTEM ERROR. Notify Programmer).
- BEGINNING SEQUENCE NUMBER WAS NOT FOUND.
- ERROR ON DELETE OF CE100110 (SYSTEM ERROR. Notify Programmer).
- INVALID DELETE RANGE ENTERED.
- END OF DATABASE REACHED.
- ERROR ON CE100110 (SYSTEM ERROR).
- ABOVE RANGE WAS DELETED BUT A GAP WAS FOUND (This may be a problem).
- A GAP WAS FOUND IN THE RANGE.
- BASE WAS NOT FOUND ON DATABASE.
- ERROR ON RETRIEVE OF CE100RSG (SYSTEM ERROR. Notify Programmer)
- ERROR ON INSERT OF MESSAGE (SYSTEM ERROR. Notify Programmer).
- INVALID BASE-ID ENTERED RE-ENTER.
- NO SEQUENCE NUMBERS AVAILABLE.
- ABOVE TRANSACTION RANGE DELETED.
- PROBLEM MAY EXIST ON DATABASE.
- ERROR ON RETRIEVE OF MSG SEGMENT.
- MORE THAN SEVEN RANGES ON DATABASE.

Sample Format A250-1 (Option 1)

Sample Format A250-2 (Option 2)

Sample Format A250-3 (Option 3)

Sample Format A250-4 (Option 4)

A251 - GENERAL FILE INQUIRY

PURPOSE: This IMS program provides a visual display of a selected data base file, in its entirety, from the CEMS CDB.

CAUTION

Although this job is accessible to all users, it is extremely complex and intended for use by TILC personnel educated in CEMS DATA BASE STRUCTURE. Use only when data cannot be accessed in any other way. Users may receive assistance from OC-ALC/TILC.

PCN: CED042.MRA251.A1SA

ENTER: /FOR CEOAA251

REQUIRED FIELDS:

Segment Names: Enter the three-position numeric root segment name. (Will always end with RSG)

Second Level: Enter the three-position numeric at the end of the second level segment name indicated in table below by parenthesis. The second level segment name will always end with a three-position numeric.

G/E:

(G) Sequential Search - Allows inquiry of the file requested beginning with one sequence greater than the key input.

(E) Direct Display - Allows inquiry of the file requested according to the key input (see below). If it is necessary to page in order to view continued data, key over the existing "E" or "G" with 1 and press "ENTER".

Key: Enter this element based on segment display needed. Reference table below for keys. It is not necessary to enter keys when using the sequential indicator "G", however keys may be entered in order to avoid scanning records which are not required.

CE100RSG/BASE RECORD (SRAN-BASE)

CE102RSG/S/N MASTER (CII, S/N)

CE102(110)/NEXT LOWER ASSEMBLY Not accessible.

CE102(120)REMOVAL HISTORY (DAY-REMOVED, TIME-REMOVED)

CE102(130)/UPDATE HISTORY (UPDATE KEY)

CE102(140)/TCTO STATUS (TCTO-DATA-CODE)

CE102(150)/1534 HISTORY (JULIAN-DATE, SEQ-MO-CODE, SEQ-NO)

CE102(160)/UNTRACKED CANNIBALIZATIONS (NSN)

CE102(170)/S/N LIMITS (CATALOG-NO, TLC, CATEGORY)

CE103RSG/CII MASTER RECORD (CII)

CE103(110)/NEXT LOWER CI Not accessible.

CE103(120)/P/N MASTER RECORD Not accessible.

CE103(221)/P/N CHANGE HISTORY RECORD Not accessible.

CE103(130)/BILL OF MATERIAL PROCESSING RECORD (TMSM)

CE103(140)/COMPLETE ASSEMBLY NLA COUNTS (TMSM)

CE104RSG/TCTO MASTER (TCTO-DATA-CODE)

CE104(110)/APPLICABLE S/Ns (CII, SERIAL-NO)

ERROR MESSAGES:

- AN ACTIVITY ACCEPTED OR REJECTED message will be displayed at the bottom of the screen.
- SEGMENT CE100RSG NOT FOUND. Check keys.
- BAD SEGMENT THIS PROGRAM WILL NOT READ THIS SEGMENT. Only segments listed in the table above may be inquired upon.
- INPUT ERROR.
- THIS PROGRAM WILL NOT READ THE ROOT SEGMENT ABOVE. (System error)

Sample Format A251-1

Sample Format A251-2

Sample Format A251-3

Sample Format A251-4

Sample Format A251-5

Sample Format A251-6

Sample Format A251-7

Sample Format A251-8

Sample Format A251-9

Sample Format A251-10

Sample Format A251-11

Sample Format A251-12

Sample Format A251-13

A252 - SERIAL NUMBER LOOK-UP

PURPOSE: This IMS program will display all Next Lower Assemblies (NLAs) for a CII S/N or the operating parameters for a specified CII S/N and its NHA depending on the option selected. For F119 CII/SNs only, if SN data not found under input CII, program will automatically search for and display; if found SN data established under a different CII, if CII requested is interchangeable - reference Program A333, F119 Interchangeable CII Table.

PCN: CED042.MRA252.A1SA

ENTER: /FOR CEOAA252

OPTIONS: **A** -NHA Look-up - Displays all tracking methods.
 B - NLA Look-up - Displays NLA items directly attached to CII S/N.
 I - NHA Look-up - Displays applicable tracking methods.

REQUIRED FIELDS:

OPTION - A, B, or I

CII

SERIAL NUMBER

OUTPUT DATA ELEMENTS FOR NHA LOOK-UP (Option A, I):

P/N - Part Number

■ WUC or LCN - Reference Applicable aircraft -06 T.O.

SRAN - Reference Job A301, Base Record.

STAT - Service Status (M - Installed, S - Spare, X - Condemned)

■ POS - Engine Position.

DATE - Date of occurrence for last transaction.

TIME - Time of occurrence for last transaction.

INST/REM DATE - Date of occurrence for last installation or removal transaction.

RECON - Reconciliation Code.

NHA - Expressed as CII and S/N or Aircraft tail number.

■ TRCD - TCC - Reference Job A304, TCC Table.

CAT NO - Catalog Number - Reference Job A314, Catalog Number Table. (Option "I" will display applicable Cat Values only)

TSN - Time Since New of item being inquired upon.

ITEM TSN AT INST - Time on a part when it was installed on the engine.

ENG TSN - Engine time since new.

ENGINE TSN AT INST - Engine time when part was installed.

ACC TIME ON ENG - Time engine accrued since part was installed.

RECORDER WINDOWS - Actual values from recorder window readings. (Blank unless the part is a recorder or engine S/N.)

POS - Engine position (Engines Only).

ENG ID - Engine Identifier - Reference Job A315, Engine ID To TMSM Table.

ENGINE SERIAL - Engine S/N

•NOTE: The data elements, POS, ENG ID, and ENGINE SERIAL appearing to the right of the column of pound signs on the A and I options screen refer to the installed position, engine IDs, and engine serial numbers on the end item of the engine serial number being queried.

OUTPUT DATA ELEMENTS FOR NLA LOOK-UP (Option B):

P/N - Part Number

WUC or LCN - Reference Applicable aircraft -06 T.O.

SRAN - Reference Job A301, Base Record

STAT - Service Status - M - Installed, S - Spare, X - Condemned

POS - Engine Position.

DATE - Date of occurrence for last transaction.

TIME - Time of occurrence for last transaction.

INST/REM DATE - Date of occurrence for last installation or removal transaction.

RECON - Reconciliation Code

NHA - Expressed as CII and S/N or Aircraft tail number.

TRCD - TCC - Reference Job A304, TCC Table.

CII/SERIAL - Complete listing of first indenture level NLAs by CII with its associated S/N.

ERROR MESSAGES:

- **HIGHLIGHTED FIELDS ARE IN ERROR.** If this message is displayed, there was no data typed into the CII or S/N field(s). To correct the error(s) type over the highlighted field(s) and press ENTER. If a required field was left blank highlighted stars will indicate erroneous fields.
- **CE102RSG DOES NOT EXIST.** If this message is displayed, there was a request made for a CII and S/N which was not previously established in the S/N master.
- **CE101RSJ DOES NOT EXIST.** If this message is displayed, there was not a catalog number previously established.
- **CE102130 DOES NOT EXIST.** If this message is displayed, there was not an update history record previously established.
- **CE101RSA Does Not Exist.** If this message is displayed, there was not an aircraft record previously established.
- **INVALID OPTION.** Re-enter correct option.
- **MAXIMUM NUMBER OF NLAs EXCEEDED.** If this message is displayed, there were more NLAs in the NLA segment than there was room for on the returned screen. (Notify OC-ALC/TILC and report the problem.)
- **SN ALREADY EXISTS UNDER CII _____.** If this message is displayed, there was a request for and data found for a SN with an interchangeable CII that is different from the CII the SN is currently established as in CEMS. The CII is listed as interchangeable according to Program A333, F119 Interchangeable CII Table. Data displayed is current data for SN under its existing CII. This message applies to F119 interchangeable CII/SN data only.
- **INTERCHANGEABLE WITH CII _____ BUT SN NOT FOUND.** If this message is displayed, there was a request for a CII/SN that was not found even though it was searched under the input CII as well as all other CIIs it is interchangeable with. Reference Program A333, F119 Interchangeable CII Table. This message applies to F119 interchangeable CII/SN data only.

Sample Format A252-1

Sample Format A252-2

Sample Format A252-3

Sample Format A252-4

Sample Format A252-5

A253 - PROCESSING STATUS

PURPOSE: This IMS program allows inquiry to the base transaction processing status with two options:

PCN: CED042.MRA253.A1SA

ENTER: /FOR CEOAA253

Option 1: List stop code reason, technician code, last sequence number processed, last sequence number to process, current sequence number, last sequence number of previous month, current and previous A card code, transmission method, command host, type of reporting facility, and location code.

Option 2: Lists sequence number ranges (missing and available), stop code reason, technician code, last sequence processed, last sequence to process, current sequence, last sequence of previous month, current and previous A card code, transmission method, command host, type of reporting facility location code, total number of available missing, and retransmitted transactions.

REQUIRED FIELDS:

OPTION - 1 or 2

SRAN

ERROR MESSAGES:

If a field is invalid, you will receive an error message(s) with the incorrect field(s) highlighted. Correct any errors and re-enter.

- SRAN NOT FOUND.

Sample Format A253-1

Sample Format A253-2

A255 - TP ERROR SUMMARY.

PURPOSE: This IMS program provides a list of errors previously suspended through jobs A205 (TP file maintenance) and A240 (TCTO update). The list is provided by SRAN and optionally selected user ID code which will restrict the display to those errors from that user only.

ENTER: /FOR CEOAA255.

REQUIRED FIELD:

SRAN

OPTIONAL FIELD: TERMINAL-ID (restricts error records displayed to those from that user ID).

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TP-SEQ - Sequence number of the erroneous transaction.

TERM-ID - Identification of the user ID from whom the error was suspended.

SUSP - Suspense Date (Julian YYDDD).

TC - TCC (Note: For TCTO type error(s), the input TCTO status code (example: 01) will be depicted under the TC heading.)

CII - CII of the item reported on.

S/N - S/N of the item being reported on. (Note: For TCTO type error(s), the input TCTO data code (example: 0210727) will be depicted under serial number.)

E-1 through E-8 - The error codes which are associated with the applicable TCC.

T - Type Report Code.

ERROR MESSAGES:

- INVALID INPUT - SRAN NOT FOUND. (Consult job A301, base record.)
- DLI ERROR (STATUS CODE, DLI FUNCTION, SEGMENT ERROR.)

Sample Format A255

A260 - BATCH ERROR SUMMARY.

PURPOSE: This IMS program provides an error summary of batch errors with one or more combination of request options.

PCN: CED042.MRA260.A1SA.

ENTER: /FOR CEOAA260

REQUIRED INPUT:

SRAN

ACTID: "A" If a list of active or unresolved errors is desired.

"I" If a list of inactive or resolved errors is desired.

NOTE: If the "ACTID" selected is "I" the "SUBS-ID" and "SER NO" fields shall be left blank and an "S" must be entered in the "OUT" field.

OUT(Output format):

"L" Long formatted version of the error.

"S" Short formatted version of the error.

"E" List of errors and total number of occurrences.

"P" List of errors and the percentage of occurrence of each error.

"C" List of errors by correct code.

"B" List of available transaction and active errors against a specific serial number.

CAUTION:

Under certain extreme conditions, this job may not have the capacity to display all errors that exist for a base. If this condition exists, select one correct code or sequence number of serial number or wait for errors to be cleared.

OPTIONAL FIELDS:

SUBS-ID (subsystem identifier)

"S" = Status, "C" = Configuration, "T" = TCTO

SER NO (serial number)

Ten position alphanumeric serial number desired

SEQ NO (sequence number)

NOTE: "SEQ NO" and "SER NO" may not be selected on the same request.

CORR CD (Correct Code).

B = Base

C = TILC Corrected

D = Base Deleted

N = New Error

S = For Base Correction

M = For TILC Correction

E = Resolved by Base

F = Resolved by TILC

Q = Recurring Error Base

R = Recurring Error TILC

V = Base Verified

U = Base Unknown

X = Unmatched Correction

G = Generated Error

H = Error Voided by Recon

I = Error Found by Recon

DESCRIPTION OF OUTPUT DATA ELEMENTS:

The tables that follow provide data element descriptions based on several differently formatted displays depending on input options.

NOTE: If one or more optional fields are selected, information will be retrieved based on that option which was specified from the list before. If no data is returned, the option(s) selected did not match the CDB records.

This program does not have the capability to scroll backwards. Consider printing the present screen before scrolling forward.

DATA ELEMENTS	LENGTH	CARD #1 CARD COLS	SPECIAL INSTRUCTIONS
1. Unit Identification	1A	1	
2. Sequence Control Number			
a. Sequence Month Code	2N	2-3	
b. Sequence Number	5N	4-8	
3. Card Number	1N	9	"1"
4. Subsystem Identifier	1A	10	"C"
5. TCC	2AN	11-12	
6. Type Report	1AN	13	"R", "C", "D", "E", "V", or "N"
7. Date of Transaction and/or Date of Occurrence	5N	14-18	
8. As of Time of Occurrence	4N	19-22	
9. Engine Identifier	2AN	23-24	
10. WUC	5AN	25-29	
11. Serial Number	10AN	30-39	
12. Part Number or EHR and/or ETTER S/N	15AN	40-54	If EHR and/or ETTR S/N is input it will be left justified.
13. NHA Serial Number	10AN	55-64	
14. Reason for Removal and/or How Mal	3N	65-67	
15. Reason for Return to Over- haul or Extended Flight Indicator	2AN	68-69	Extended Flight indicator is right justified when input.
16. Correction Sequence Number	7N	70-76	Input when type report = "C".

NOTE: On reconciliation transactions, 14 and 15 become K-Factor field.

DATA ELEMENTS	LENGTH	CARD #2 CARD COLS	SPECIAL INSTRUCTIONS
1. Command Code			
a. Major	2AN	1-2	
b. Sub	1AN	3	
2. Organization Code	1A	4	

DATA ELEMENTS	LENGTH	CARD #2 CARD COLS	SPECIAL INSTRUCTIONS
3. Position Number or Primary or Secondary Reason for Removal Code	1AN	5	
4. *Engine Operating Mode and/ or Ownership Account Code	1A	6	
5. Filler	5	7-11	
6. Aircraft MDS	7AN	12-18	
7. Method of tracking (occurs five times)	45N	19-63	
a. Catalog Number	2N	19-20	
b. Catalog Number 7N	21-27		

* Data element number four is used as a dual purpose field.

Sample Format A260-1

Sample Format A260-2

Sample Format A260-3

Sample Format A260-4

Sample Format A260-5

Sample Format A260-6

A265 - REMOVAL HISTORY SUMMARY

PURPOSE: This IMS program provides a summary of removal history with one or a combination of several request options.

PCN:

REMOVAL HISTORY SUMMARY I	CEDO42.MRA265.A1SA
REMOVAL HISTORY SUMMARY II	CEDO42.MRA265.A2SA
REMOVAL HISTORY SUMMARY III	CEDO42.MRA265.A3SA

ENTER: /FOR CEOAA265.

REQUIRED FIELDS:

OPTION - 1, 2 or 3 (See below)

CII

SERIAL NUMBER

OPTIONAL FIELDS:

Start Date - Removal date (Julian)

End Date - Removal date (Julian)

DESCRIPTION OF OUTPUT DATA ELEMENTS:**OPTION 1:**

RDATE - Date of removal.

RR - Reason for removal (How Mal code).

SRAN

SEQ NUM - Sequence number of removal transaction.

T - Type report.

NHA CII

NHA SERIAL NUMBER

ORR - Overhaul return reason.

INSTD - Installed date.

CMD - Command and subcommand code.

TIME - Time of Day

PART NUMBER

OPTION 2:

RDATE - Date of removal.

RR - Reason for removal (How Mal code).

SRAN

TC - TCC

T - Type report.

CAT 1 through CAT 6 - The first six catalog numbers and values which, are given in the historical record.

OPTION 3:

RDATE - Date of removal.

RR - Reason for removal (How Mal code).

SRAN

SEQ NUM - Sequence number of removal transaction.

T - Type report.

NHA CII - NHA CII.

NHA SERIAL - NHA S/N.

ORR - Overhaul return reason.

INSTD - Installed date.

CMD - Command and subcommand code.

TIME - Time of day.

NTM - Number of tracking methods.

LTH - Segment length.

- The second and third lines of data contain all of the catalog numbers and values, which are given in the historical record.

ERROR MESSAGES:

- CII SERIAL NUMBER NOT FOUND.
- NO MATCHING RECORDS FOUND. This message will be displayed if CII and/or serial number has never been removed or if a start and end date was requested for which no removals were made.

Sample Format A265-1

Sample Format A265-2

Sample Format A265-3

A270 - DAILY TRANSACTION SUMMARY.

PURPOSE: This IMS program displays up to the last 5 days of the daily transactions, (CE105110 - dayfile status records in six formats) terminal-ID history and table change history:

PCN: CED042.MRA270.A1SA

ENTER: /FOR CEOAA270

REQUIRED FIELDS:

KEY: The key must always be entered as "DX" "NX" or "TY", where "X" is a number from zero through nine, representing the last digit of the Julian date (only five days of daily transactions are available, including the current day), and "Y" is one or alphas (as stipulated below). With these exceptions:

- To view the TCTO layout, the KEY will always be "T1" with OUTPUT of "T".
- To view the manual change layout, the KEY will always be "MC".
- To view the S/N layout, the KEY will always be "SA".

The KEY for viewing TCTO file maintenance data will be entered as follows:

Note: The OUTPUT will always be "L" for these TCTO file maintenance transactions:

TA - Establish TCTO and/or add S/N transactions,

TC - Change TCTO data element transactions,

TD - Delete TCTO transactions,

TF - Delete S/N applicability transactions,

TK - Change manhours transactions,

TR - Retire TCTO transactions,

TU - Unretire TCTO transactions

TX - Change KLD transactions.

OPTIONAL FIELDS:

WORK CENTER: May only be used when viewing the TCTO layout. SRAN must also be entered. Transactions for a WORK CENTER within the given SRAN will be displayed.

OUTPUT: If no OUTPUT is specified it will default to "D" (Dayfile layout), with the exceptions of "T" must be used for TCTO, "M" must be used for manual change, and "N" must be used for S/N. Six outputs are available; "D" for Dayfile, "S" for Status, "T" for TCTO, "L" for Long, "M" for Manual Change, and "N" for S/N.

OUTPUT DATA ELEMENT for Dayfile Layout:

CII

SERIAL-NO

DATE

D-PRC - Date Processed

C/OR - Command and/Organization

AT - Account Code, Type Report

TO/FROM - To/From SRAN

CONT - Container Type

NHA/SERIAL

P - Position

SEQ-NO - Sequence No

SRAN

TC - Transaction Condition Code

T - Type Report

CMD - Command Code

A - Account Code

FHR - Flying Hours

TMS
 RR - Removal reason
 DATA/CD - Data Code
 ST - Status
 HOURS
 WRK-CTR - Work Center

SEQUENCE NUMBER AND/OR S/N: Transactions matching the entered SEQUENCE or S/N will be displayed. Sequence number only, is available for outputs of "M" or "N".

SRAN: Only transactions for the given SRAN will be displayed. (This option not available for outputs of "M" or "N".)

ORGANIZATION: May only be used if SRAN is entered. Transactions for an ORGANIZATION within the given SRAN will be displayed. (This option not available for outputs of "M" or "N".)

PROGRAM NAME AND STRT DATE: Use with KEY of "HC" and OUTPUT "M" (See Monetary History below).

- **TERM-ID HISTORY:** With the inception of a security system called Delta-IMS in Tinker data services center, there is a need to view the dates when a certain terminal was added and/or deleted from direct line reporting. To accomplish this (after connecting to A270) type "HT" in the data element entitled KEY, type terminal-ID in sequence and/or S/N field, and press "ENTER". Selection criteria of date (W/C data element) may be used but keep in mind that option only allows 30 pages of data at a time. (To view the entire file, go to the BROWSE option of TSO under miscellaneous products.) User friendly instructions will appear on the screen to page forward, backward, top, bottom, etc.

OUTPUT DATA ELEMENTS for TERM-ID HISTORY:

TERM-ID - Terminal-Identification

DATE - Date Action Occurred (Terminals added or deleted before 91128 not reflected using this option).

ACT - Action can be D - delete or A - add.

LOCATION - Location of terminal.

NAME - Terminal OPR.

ORGANIZATION - Organization responsible for terminal.

TELEPHONE - Telephone number where terminal was located at time of action.

SRAN - The SRANs that terminal-ID updates (up to two). Will only appear in the TSO BROWSE.

- **MONETARY HISTORY:** To obtain the audit trail history from program A315, type "HC" in the data element entitled KEY and type "M" in the data element entitled OUTPUT and press "ENTER". This program contains historical information only.

- **BASE RECORD, AIRCRAFT RECORD, TRANSACTION CONDITION CODE, COMMAND CODES, SPECIAL STATUS CODE TABLE, ENGINE ID TMSM TABLE, ERROR RETURN CODE TABLE, PIPELINE STANDARDS AND AUTOMATIC RESUPPLY TABLE HISTORY:** For audit trail purposes, there is a need to view the dates when information on the above programs was added, changed, modified or deleted from CEMS. To accomplish this (after connecting to A270), type "HC" in the data element entitled KEY, type "M" in the data element entitled OUTPUT, and press "ENTER". (You may also insert program name if you want to limit your search.) Refer to Sample Format A270-16.

NAVY ECOMTRAC TRANSACTIONS: Use Key "NX" where "X" is the last digit of Julian date and Output of "L". Refer to Sample Format A270-15.

CARD 1

2. 1-4 Type Engine Code
3. 5-11 Engine Serial Number
4. 12-14 Organization Code (Tinker is "WC9")
5. 15-21 WUC
6. 22-31 Component Serial Number
7. 32-46 Part Number
8. 47-51 Action Date
9. 52-61 NHA Serial Number
10. 62 Engine Time Code "C" - Change and "N" - TSN

- 11. 63-67 Engine Time
- 12. 68-72 TSN
- 13. 73-77 TSO
- 14. 78-79 Blank
- 15. 80 Removal/Install/Change (RIC) or transaction code

CARD 2 (There will be a card 2 for all F110 transactions except the Part Number Change.)

- 1. 1-7 WUC (27XXXXXX)
- 2. 8-17 S/N
- 3. 18-19 Number of LUIs
- 4. 20-21 1st LUI Number (EOT - 01 and TAC - 02)
- 5. 22-26 Engine LUI Value (XXXXXX no decimal)
- 6. 27-31 Item LUI TSN Value
- 7. 32-33 2nd LUI Number
- 8. 34-38 Engine LUI Value
- 9. 39-43 Item LUI Value
- 10. 44-79 Blank
- 11. 80 Transaction Value "R"

Sample Format A270-1 Daily Transaction Summary in Dayfile Layout
 Sample Format A270-2 Daily Transaction Summary in Status Layout
 Sample Format A270-3 Daily Transaction Summary in Long Layout
 Sample Format A270-4 Daily Transaction Summary in Manual Change Layout
 Sample Format A270-5 Daily Transaction Summary in S/N Layout
 Sample Format A270-6 Daily Transaction Summary in TCTO Layout
 Sample Format A270-7 Establish TCTO and/or Add S/N TCTO File Maintenance Transactions
 Sample Format A270-8 Change TCTO Data Elements Transactions
 Sample Format A270-9 Delete TCTO Transactions
 Sample Format A270-10 Delete TCTO Serial Number Transactions
 Sample Format A270-11 Change TCTO Manhour Transactions
 Sample Format A270-12 Retire TCTO Transactions
 Sample Format A270-13 Unretire TCTO Transactions
 Sample Format A270-14 Change TCTO KLD Transactions
 Sample Format A270-15 Navy ECOMTRAC Transactions
 Sample Format A270-16 Audit Trail Records
 Sample Format A270-17 Terminal ID History Records

A271 - PART NUMBER MASTER RECORD

PURPOSE: This IMS program provides real time inquiry capability to the Part Number Master Record with three options.

ENTER: /FOR CEOAA271

REQUIRED FIELDS:

OPTION 1, 2, or 3 (See below)
CII

OPTIONAL FIELD:

PART NUMBER

DESCRIPTION OF OUTPUT DATA ELEMENTS:

OPTION 1

PART NUMBER

MDS - (aircraft type)

KFAC - K-Factor. A factor based on material properties of a part used in a formula to adjust cycle to various operation conditions.

C1-C3 - Catalog number (tracking method) for the tab first three limits entered in the P/N master record.

TLCC - See Terms Abbr. and Acronyms at the end of this T.O.

LIMIT - Life limit based on T.O. data.

OPTION 2

PART NUMBER

MDS (Aircraft type)

KFAC - K-Factor. A factor based on material properties of a part used in a formula to adjust cycle to various operation conditions.

KDATE - Julian date for when K-factor was established.

STOCK-NO - Federal stock class assigned to the P/N.

DT-PN-EST - Julian date for when P/N was established.

CAT NO - Catalog number (tracking method), ref. T.O. 00-25-254-1 Table 9-14.

TLCC - See Terms Abbr. and Acronyms at the end of this T.O.

LIFE-LIM - (Life Limit) Value of life based on data from the applicable aircraft -6 T.O.

LIFE-DT - Julian date for when life-limit was established.

DEPOT-BLD - (Depot Build Limit) Value which installation transactions will use for edits. If item being installed at depot has greater time since overhaul than is displayed in the depot build limit, the transaction will reject.

DEPOT-DT - Julian date for when depot build limit was established.

ORG-LIM - (Organizational Build Limit) Value which installation transactions will use for edits. If item being installed at depot has greater time since overhaul than is displayed in the organizational build limit, the transaction will reject.

ORG-DT - Julian date for when organizational build limit was established.

DESIGN LIM - The maximum time limit assigned to an item when it was designed.

OPTION 3

PART NUMBER

MDS - (Aircraft type)

TYPE-CHNG - Type of change to the master record. Type changes are:

K - K-Factor Change

L - Life Limit Change

O - Organizational and/or Intermediate Build Limit Change

D - Depot Build Limit Change

X - TLCC DELETE

A - TLCC ESTABLISH

TLCC - See Terms Abbr. and Acronyms at the end of this T.O.

DATE-OF-CHNG - Julian date for when change to the record occurred.

PREV-VALUE - Previous value that was established for this part number CII and/or MDS combination.
EQUIP-SPEC - Code for prime equipment specialist.

ERROR MESSAGES:

- NO MATCHING RECORDS FOUND FOR CII ENTERED
- PART NUMBER NOT FOUND

Sample Format A271-1

Sample Format A271-2

Sample Format A271-3

A275 - AF FORM 1534 HISTORY.

PURPOSE: This IMS program provides a visual display of the last 18 months, or specified date range within this period, of the AF FORM 1534 Transaction History recorded for a specific engine as required by FD-SUPP-18036-II-I. Oldest history will be displayed first. Option three will provide terminal ID for each TCC submitted through TP or list program ID if report is submitted through batch. The engine information is provided by date and time of day.

ENTER: /FOR CEOAA275

REQUIRED FIELDS:

OPTION - 1, 2, or 3

CII

SERIAL NUMBER

- Options 1 and 3 are sorted by date, sequence number and time of day. Option 2 is sorted by date, time of day and sequence number.

- For a specific range of history data, type in start and end date for the desired range (example: start date: 98000, end date: 98365). Enter Option 3 to view history transactions and terminal ID that submitted report through TP. If report was submitted through batch processing, CEBUA125 will be listed.

DESCRIPTION OF OUTPUT DATA ELEMENTS: (Default Option)

OPTION 1:

SEQ NO - A number assigned to each transaction for control purposes. It is blank on Type C, transaction code 60, when done to indicate CII of Serial Number changes. On transaction code 60, if last action date is greater than 14 days old then use date equal to 14 days ago with current time or use last action date/time plus 1 minute.

DATE - Date transaction prepared by input activity.

SRAN - Station code.

TC - Transaction condition

T - Type report (routine verification, etc).

CMD - Command code.

A - Account code.

MDS - End item model, series.

END-ITEM - S/N of aircraft or S/N of the replaced engine.

FHR - Flying hours.

TFSR - Transfer or ship to SRAN.

RR - The three-position code used to indicate reason engine was removed.

P - Position of installed engine.

O - Organization.

PDATE - Date transaction posted at the CDB.

PC - Posting code assigned by computer for internal control.

Posting code definitions:

- Report was submitted through TP.

* - Report posted to history and did not update current AF Form 1534 status record, 102RSG.

M - Modification change.

S - This report or previous report was a type 4, C, or V.

SC - This report was a S/N or CII change.

OPTION 2:

SEQ NO - A number assigned to each transaction for control purposes. It is blank on Type C, transaction code 60, when done to indicate CII of Serial Number changes. On transaction code 60, if last action date is greater than 14 days old then use date equal to 14 days ago with current time or use last action date/time plus 1 minute.

DATE - Date transaction prepared by input activity.

SRAN - Station code.

TC - Transaction condition

T - Type report (routine verification, etc).

CMD - Command code.

A - Account code.

TIME.

PREDT - Previous transaction date.

PRE-SEQ - Previous sequence number.

PTC - Previous TCC.

PA - Previous Account Code.

LOC.

O - Organization.

PDATE - Date transaction posted at the CDB.

P-CD - Posting code (see option 1).

OPTION 3: Same as option 1 with the exception of TERM-ID - Identification of PC that submitted report.

ERROR MESSAGES:

Appropriate error messages will be displayed at bottom of screen.

- CII AND SERIAL NUMBER BOTH MUST BE ENTERED. Self explanatory.
- CII AND SERIAL NUMBER NOT FOUND ON SERIAL NUMBER MASTER. Check to be sure CII and S/N are entered correctly.

Sample Format A275-1

Sample Format A275-2

Sample Format A275-3

A276 - CATALOG NUMBERS TABLE

PURPOSE: This IMS program will display all the valid catalog numbers with their related data.

ENTER: /FOR CEOAA276

REQUIRED FIELDS: Press "ENTER" for information to appear. This will display all valid catalog numbers in sequence from left to right.

Sample Format A276

A277 - UPDATE HISTORY SUMMARY

PURPOSE: This IMS program provides an update history summary with one or a combination of several options. There are two types of update records: (1) Catalog values as input on the transaction. These have operation mode of "blank" for meter readings or delta values and "B" for time since new (TSN) values. (2) Computed catalog values expressed in TSN. These have operations mode of "C" and follow records with operation mode of "blank". This program is also available in TSO with information over 18 months as well as the current data found in IMS. For F119 CII/SNs only, if SN data not found under input CII, program will automatically search for and display, if found SN data established under a different CII, if CII requested is interchangeable - reference Program A333, F119 Interchangeable CII Table.

- The last transaction is retained when all history is over 18 months old and Delete History Program (job A555) is run.

TITLE	PCN
UPDATE HISTORY SUMMARY I	CED042.MRA277.A1SA
UPDATE HISTORY SUMMARY II	CED042.MRA277.A2SA
UPDATE HISTORY SUMMARY III	CED042.MRA277.A3SA
UPDATE HISTORY SUMMARY IV	CED042.MRA277.A4SA

ENTER: /FOR CEOAA277

REQUIRED FIELDS:

OPTION: 1, 2, 3, or 4

CII

SERIAL NUMBER

OPTIONAL FIELDS:

QUAL - (Qualifier) "D", "S", or "blank", "D" - Date range, should be accompanied by start and end Julian dates, "S" - Update key range, should be accompanied by start and end update keys. "Blank" will display all update histories.

START - The beginning of a selected range of update histories based on the qualifier used (Julian date or update key).

END - The end of a selected range of update histories based on the qualifier used (optional).

TRAN - (TCC) Use of this field will result in the display of all update histories which correspond with the TCC selected.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

OPTION 1:

TDATE - Transaction date.

TIME - Time of transaction.

PDATE - Processed date.

SEQ-NO - Sequence number of transaction.

CAT 1 - CAT 5 - Catalog number and value for the first tracking methods of transaction (for all values see option 3).

TC - Transaction Condition Code

OPTION 2:

KEY - (update key) number which identifies each update transaction in order of processing.

TDATE - Transaction date.

SRAN - Owning base at time of transaction.

CM - Command

MDS-SN - MDS (Type aircraft) and tail number.

EHR-ETTR - SN of recorder on 6U and 6T Transactions. 6P transaction will display type of warranty or inspection (category code).

TC - Transaction Condition Code

SEQ NO - Sequence number of transaction.

M - Operation mode: Blank - catalog values as input (i.e., delta or meter reading), B - catalog values of TSN as input, and C - computed TSN values, following transaction with operation mode of blank. This is the total time after the transaction has processed.

P - Position

MAINT - Type maintenance reported, 6P transaction will display S/N limit, overhaul, OCM or combinations such as H/SNL indicating both overhaul and S/N limit was reported.

TERM-ID - Terminal identifier, codes may be used as input data for job A320 to determine terminal info.

OPTION 3:

All headings and info are the same as option 2 except that all tracking methods and values for the transaction are displayed in additional lines below.

OPTION 4:

All headings and info have been defined in options 1, 2, or 3. The exceptions are: data under "AIRCRAFT MDS S/N" column will be TLCC and limit valued, TCC will be "65" and type report will be A, C, or D as appropriate. These exceptions apply to history transactions generated by job A465.

ERROR MESSAGES:

- USER MUST SELECT OPTION 1, 2, 3, OR 4
- NO UPDATE HISTORY RECORDS FOUND
- INVALID INPUT CII
- SERIAL NUMBER NOT FOUND
- SN ALREADY EXISTS UNDER CII
- CII INTERCHANGEABLE WITH CII _____ BUT SN NOT FOUND

Sample Format A277-1

Sample Format A277-2

Sample Format A277-3

Sample Format A277-4

A280 - TYPE LIMIT CODE AND CATEGORY (TLCC) FILE MAINTENANCE • OC-ALC, SA-ALC/ LPF and CDB only.

PURPOSE: This IMS program will update catalog numbers, TLCCs and life limits for all part numbers assigned to a specific CII in the part number master record.

ENTER: /FOR CEOAA280

OPTIONS: A = ESTABLISH C = CHANGE D = DELETE

OPTIONAL FIELDS (ALL TRANSACTIONS):

PART NUMBER - An entry will cause the program to update only the part number specified. Leave blank to update all part numbers.

MDS - An entry will cause the program to update all part numbers whose MDS matches the specified MDS. Leave blank to update all part numbers regardless of MDS.

NOTE: Leave both part number and MDS blank to update all part numbers for all MDSs for the specified CII and TLCC.

REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:

TRANS - A

PASSWORD - Valid password.

EQUIP-SPEC-CODE - Must be alpha.

CATALOG NUMBER - Valid in the catalog numbers table (A276 program).

TLCC - Valid tracking method and category of aging code.

LIFE LIMIT - Must be numeric.

ORG-INTE-LIMIT - Must be numeric.

DEPOT-BUILD-LIMIT - Must be numeric.

DESIGN-LIMIT - Must be numeric.

• If there are no limits for either the life limit, depot build limit, org-inter-limit, or the design limit; zeroes must be entered in each field having no limits. The zeroes will be interpreted as NONE.

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

TRANS - Must be C.

PASSWORD - Must be valid.

• All other required fields are the same as the ESTABLISH transaction.

After all fields are typed in, depress "ENTER" key. If changes were made, a message will appear at the bottom of the screen "TLCCs CHANGED".

REQUIRED FIELDS FOR A DELETE TRANSACTION:

TRANS - Must be D.

PASSWORD - Valid password.

• All other required fields are the same as the ESTABLISH transaction.

After all fields are typed in, depress "ENTER" key. If changes were made, a message will appear at the bottom of the screen "TLCCs DELETED".

Sample Format A280

A285 - GENERAL PURPOSE PROGRAM (Limited to TILC Only)

PURPOSE: This program allows for the correction of unusual data base errors. Changes are reflected in program A270.

A295 - AUTOMATED HISTORY PROGRAM

PURPOSE: This IMS program will update the narrative history record, which will be displayed as PART II of job E407. Data is updated via means of a remote PC entry and display and/or print text. This program will establish new data, change and/or delete data, and make inquiries. It provides a record of all P/N changes made to any S/N using programs A125, A240, A285, and A400. It will also display date, time of action, old and new P/N, SRAN where changes were made, terminal ID, program used or action for change. Program A295 will be updated automatically.

ENTER: /FOR CEOAA295

OPTIONS: I - INQUIRE A - ESTABLISH C - CHANGE D - DELETE V - VIEW RECORD W - WORD WRAP

REQUIRED FIELDS to INQUIRE/VIEW:

TRANS - I or V

CII

SERIAL NUMBER

DATE - (Optional) Since history is stored in the database by date, time, or sequence the key to retrieving data will be the date entered. If the oldest history is desired, leave the date blank, press "ENTER" and the oldest 14 lines of history will be displayed. If newer history is required, simply enter the appropriate Julian date in the top date block, press "ENTER" and the 14 lines of history newer than the date entered will be displayed.

- VIEW displays a four element data line located directly below every line item that will show: SRAN either CEBUA850 (Automatic Generated History) or USER ID for Narrative History; DATE, and either "A"(Automated History) or "N" (Narrative History). In the instance the narrative line item was changed or added by possessing SRAN, their user ID would appear after SRAN and the "N" would update to "M" (modified).

REQUIRED FIELDS to ESTABLISH:

TRANS - A

CII

SERIAL NUMBER

DATE - Julian date.

MILITARY TIME

SEQ #

TEXT - A maximum of 14 lines of narrative may be established per transaction. To continue you must: Press "ENTER", wait for message "RECORDS ADDED". All added data will be highlighted. Return to top of page, start typing over old established narrative or clear screen of established narrative, and continue with DATE, TIME, SEQ, and NARRATIVE TEXT. If more than one line of information is required for a narrative statement, it is necessary only to key in the next sequence number to continue. Reentering the date and time is not mandatory. This method can continue up to 99 lines.

REQUIRED FIELDS to CHANGE/DELETE:

TRANS - C or D

CII

SERIAL NUMBER

Before a CHANGE or DELETE can be made to a previously established record, first make an INQUIRY on that record. Changes can be made by typing over the existing field(s) which are to be changed and press "ENTER". Date, time, sequence cannot be changed, only narrative text. All changed data will be highlighted. To DELETE, clear from the screen all date fields of data you want to retain. Leave the date fields you are wanting to DELETE visible. If the record was deleted, a message will be displayed at the bottom of the screen "NARRATIVES DELETED", and all data deleted will be highlighted.

REQUIRED FIELDS to WORD WRAP:**TRANS - W**

Enter CII, S/N, Date, Time, and Sequence Number. Press "ENTER" and the program will automatically generate Date, Time, and Sequence Number for all lines remaining on the screen. When narrative data is entered A295 will automatically tab over these fields. If more than 14 lines of data is required, press "ENTER" when the first page is full and another page will appear.

ERROR MESSAGES:

- **INPUT REJECTED.** If this message is displayed, the transaction was left blank, or the one entered was not valid. Must be A, C, D, or I.
- **INVALID INPUT.** If this message is displayed, item not found in CDB.
- **SECURITY VIOLATION.** If this message is displayed, CII and/or S/N is not possessed by SRAN.
(No security edit for inquiry)

Sample Format A295

A301 - BASE RECORD • CDB use only, except for inquiry function.

PURPOSE: This IMS program will establish a new base record, change data elements, delete base record and inquire. Notify OC-ALC/TILC for required changes.

ENTER: /FOR CEOAA301

OPTIONS: I = INQUIRY A = ESTABLISH C = CHANGE D = DELETE

REQUIRED FIELDS to INQUIRE:

TRANS - I.
SRAN

REQUIRED/OPTIONAL FIELDS FOR AN ESTABLISH TRANSACTION:

- Indicates required fields
- TRANS - A
- PASSWORD - Valid password for authorized user only.
- SRAN - Must not include any blank or special characters.
- COMMAND-HOST - Must have been established in the command codes segment prior to this transaction.
- TYPE-FACILITY - Must be Y = Contractor, B = Base, N = SAP, D = ALC, P = Parts (Only UNKN and OCSU), H = History.
- G081 LOC CODE -
- LOCATION CODE - Must be: A = Contractor, B = Depot CONUS, C = Base CONUS, J = Contract Overseas, K = Depot Overseas, L = Overseas Base
- TRANSACTION METHOD - P = Mail, C = Remote PC, B = RJP, V = Mixed, O = Other
- SRAN INDICATORS - All CAMS bases requiring initialization decks will indicate a "Blank" in first position and a "P" in second position. The third position is a UMMIPS transportation area code: (Area 1) - Alaska, Hawaii, Guam, Caribbean, or Central America. (Area 2) - United Kingdom and Northern Europe. (Area 3) Japan, Okinawa, Korea, Philippines, or Western Mediterranean. (Area 4) - Hard Lift Areas - All other destinations not included in areas 1-3, (i.e., South America, Eastern Mediterranean, North Atlantic, Africa, Diego Garcia, etc.). (Area C) - Conus.
- SRAN DESCRIPTION - Location of base (i.e., Langley)
- OFFICE SYMBOL
- ADDRESS - Up to 5 lines. Line 1: Required Alpha and Numeric, i.e. EJ9130 or FJ4800.
- ENGINE MANAGER NAME
ENGINE MANAGER E-MAIL
- ENGINE MANAGER DUTY PHONE (Commercial and DSN)
ALTERNATE ENGINE MANAGER
ALTERNATE ENGINE MANAGER E-MAIL
ALTERNATE ENGINE MANAGER DUTY PHONE (Commercial and DSN)
FAX (Commercial and DSN)
TILC POC - Technician Name
E-MAIL - Technician E-mail address
PHONE - Technician Duty Phone (Commercial and DSN)
FAX - TILC Fax Number (Commercial and (DSN)
TECH CODE
- All required fields must be typed in as described above. Use job A270 transaction HC to view terminal history.

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

TRANS - C

PASSWORD - Valid password.

- The remaining fields are the same as for the ESTABLISH transaction. Before a change can be made to a previously established record, the operator must first make an INQUIRY on that record. After a successful INQUIRY has been completed, changes can be made by typing over the existing field(s) which are to be changed. Press ENTER, if changes were made, a message will appear at the bottom of the screen stating "TRANSACTION PROCESSED SUCCESSFULLY". If any other message is displayed, see ERROR MESSAGES.

REQUIRED FIELDS FOR A DELETE TRANSACTION:

TRANSACTION - D

PASSWORD - Valid password.

- The remaining fields are the same as for the INQUIRY transaction.
- In order to make a successful deletion, an inquiry should be completed on the record. After the inquiry screen has been returned, type "D" in TRANS and press ENTER. If the record was deleted, a message will be displayed at the bottom of the screen stating "ENTRY DELETED". Use job A270 transaction HC to view terminal history. For a complete listing of deletes, use BROWSE option of TSO, miscellaneous products. If any other message is displayed, see ERROR MESSAGES.

ERROR MESSAGES:

- HIGHLIGHTED FIELDS ARE IN ERROR. If this message is displayed, there was invalid data typed into the field(s). To correct the error, type over the highlighted field(s) and press ENTER. If a required field was left blank, highlighted stars will indicate erroneous field.
- REQUESTED RECORD DOES NOT EXIST. If this message is displayed, there was a request made for a record that was not previously established.
- RECORD ALREADY EXISTS. If this message is displayed, an ADDITION transaction was made and the record was already established.
- INVALID TRANSACTION. If this message is displayed, the transaction that was entered was not valid. Must be A, C, D, or I.

INFORMATION MESSAGES:

TRANSACTION FULLY PROCESSED.

Sample Format A301

A302 - AIRCRAFT RECORD • CDB use only except for inquiry function

PURPOSE: This IMS program will update the aircraft record via remote PC entry. Enter data as required by appropriate transaction code. This program will edit input data elements, establish new aircraft end item record, change or replace data element(s) in existing record except end item design and S/Ns delete aircraft and/or end item record matching the input end item design and serial number.

ENTER: /FOR CEOAA302

OPTIONS: A = ESTABLISH I = INQUIRY C = CHANGE D = DELETE F = CHANGE FAMILY GROUP
E = CHANGE SRAN, CMD, STATUS or OWN ACCT CODE

REQUIRED FIELDS to INQUIRE:

TRANSACTION CODE - I

MDS

AIRCRAFT SERIAL NUMBER

REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:

TRANSACTION CODE - A

PASSWORD

MDS - M = (Mission) three position alphanumeric, right justified prefixed with spaces.

D = (Design) three position alphanumeric, right justified prefixed with zeroes.

S = (Series) one position alphanumeric.

• For exceptions (i.e., ground support equipment) reference to T.O. 00-25-254-1.

AIRCRAFT-SERIAL NUMBER

SRAN-Base

COMMAND - Must be valid and already exist in data base command table.

OWNERSHIP ACCOUNT CODE

AIRCRAFT STATUS - A = Active B = Inactive L = Not Obligated

NO-ENGINES-REQUIRED

Must be greater than "O" for prime.

Must be numeric and greater than or equal to "O" for second prime engines.

Must be numeric and greater than or equal to "O" for auxiliary-engines.

FAMILY GROUP CODE - Required if the associated no engines required field is entered.

• There must be an automatic resupply level (table A309) established for the family group code entered along with the appropriate SRAN and command code entered.

ENGINE ID

WUC - All non-parts tracked engines will carry nines (99999) in the WUC field.

ENGINE SERIAL - (System assigned). Indicates the serial numbers of engines that are installed on this aircraft.

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

• Engines must be removed before change can be accomplished except a family group code change. A family group code change can be accomplished if the engine(s) for that family group are not installed.

TRANSACTION - C

PASSWORD - Valid password.

• The remaining fields are the same as for the ESTABLISH transaction. Before a change can be made to a previously established record, the operator must first make an INQUIRY on that record. After a successful INQUIRY has been completed, changes can be made by typing a C in TRANS then typing over the existing field(s) that require change. Press ENTER, if changes were made, a message at the bottom stating "SEGMENT PROCESSED SUCCESSFULLY". If any other message is displayed see ERROR MESSAGES.

REQUIRED FIELDS FOR DELETE TRANSACTION:

• Engines must be removed before delete can be accomplished.

TRANSACTION - D

PASSWORD - Valid

MDS - Valid

AIRCRAFT S/N - Valid

AIRCRAFT DELETION - (System assigned).

DELETE CODE - (System assigned) Indicates if aircraft record is scheduled for deletion (D) or not scheduled for deletion (blank).

DELETE DATE - (System assigned) indicates the date, YYDDD, for which the full complement of engines were removed as a result of a loss transaction. When a loss transaction is submitted on a multi-engine aircraft, a delete code (D) will be system assigned. When a loss transaction is submitted on the last engine of a multi-engine aircraft, the delete date will be entered and the aircraft status will be changed to inactive status. (System assigned). The aircraft then will remain in the database for a given period of time and then the actual deletion will be machine generated at the end of that period.

REQUIRED FIELDS FOR A FAMILY GROUP CODE CHANGE TRANSACTION:

- Engines for the specific family group code must be removed before the family group code can be changed).

TRANSACTION - F

PASSWORD - Valid password.

- The remaining fields are the same as the ESTABLISH TRANSACTION except: Blank out the family group code that is not being changed. Type over the family group code and related engine ID requiring change. Press ENTER. If changes were made, a message will be displayed at the bottom of the screen stating "SEGMENT PROCESSED SUCCESSFULLY". If any other message is displayed, see ERROR MESSAGES.

- This F transaction can also be used to change the SRAN number, command code, ownership account code, and/or the status code. When these data elements are changed, caution should be taken to insure compatibility with the engine S/N record for all engines installed, and to verify that the aircraft is actually at that SRAN.

REQUIRED FIELDS FOR A SRAN, CMD, STATUS OR OWN ACCOUNT CODE CHANGE TRANSACTIONS:

TRANSACTION - E

PASSWORD = Valid password.

- The remaining fields are the same as an ESTABLISH TRANSACTION. After an inquiry, enter an E in the transaction field then type over the SRAN, command code, status code or ownership account code requiring change. Press ENTER. If changes were made, a message will be displayed at the bottom of the screen stating "SEGMENT PROCESSED SUCCESSFULLY". If any other message is displayed see ERROR MESSAGES.

ERROR MESSAGES:

- HIGHLIGHTED FIELDS ARE IN ERROR. If this message is displayed, there was invalid data typed into the field(s). To correct the error, type over the highlighted field(s), and press ENTER. If a required field was left blank, highlighted stars will indicate erroneous field.
- REQUESTED RECORD DOES NOT EXIST. If this message is displayed, there was a request made for a record that was not previously established.
- SEGMENT ALREADY EXISTS. If this message is displayed, an addition transaction was made and the record was already established.
- INVALID TRANSACTION. If this message is displayed, the transaction that was entered was not valid. Must be A, C, D, or I.
- INSTALLED ENGINE(S) MUST BE REMOVED BEFORE TRANSACTION CAN BE ACCOMPLISHED. Change and delete transaction.
- SEGMENT PROCESSED SUCCESSFULLY.
- UNEXPECTED STATUS CODE RETURNED.
- YOU ARE NOT AN AUTHORIZED USER - ENTER VALID PASSWORD.

Sample Format A302

A303 - FAMILY GROUP HEADER TABLE • CDB use only, except for inquiry function

PURPOSE: This IMS program will update the family group header table and display and/or print text and appropriate messages, for completed processing, or transaction reject, A303 will establish a new family group header record, change data elements, delete group header record and inquire.

ENTER: /FOR CEOBA303

OPTIONS: A = ESTABLISH I = INQUIRY C = CHANGE D = DELETE

REQUIRED FIELDS to INQUIRE:

TRANS - I

FAMILY-GROUP-CD

After the required fields above have been typed in, press the ENTER key. If the requested segment exists, the record will be returned to the screen, also with a message stating "ACTIVITY ACCEPTED: RECORD DISPLAYED". If any other message is displayed, see ERROR MESSAGES.

REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:

TRANSACTION CODE - A

PASSWORD

FAMILY-GROUP-CD

MDS-LIST: Designations will be expressed with spaces.

TMSM-LIST: Designations will be expressed with spaces.

PRI-ALC-CD: (Must be A = OC-ALC, B = SA-ALC, D = 00-ALC, F = SM-ALC, C = WR-ALC).

NSN: Must enter the four position Federal Stock Class (FSC).

- All required fields must be typed in as described above. In addition to required fields, the operator must also type in any of remaining data that is available. After all the data has been typed in, press the ENTER key. If the record was established, a message will be displayed at the bottom of the screen stating, "ACTIVITY ACCEPTED: NEW RECORD BUILT". If any other message is displayed, see ERROR MESSAGES.

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

TRANSACTION - C

PASSWORD - Valid password.

- Enter the value of the data element requiring the change in the particular data element field. Depress ENTER. If the specific change was made, the screen will be returned with a message stating "ACTIVITY ACCEPTED: RECORD CHANGED". If any other message is displayed, see ERROR MESSAGES.

REQUIRED FIELDS FOR A DELETE TRANSACTION:

TRANSACTION - D

PASSWORD = Valid password.

- The remaining fields are the same as for the INQUIRY transaction. In order to make a successful deletion, an inquiry should first be completed on the record to be deleted. After the INQUIRY screen has been returned, type a D in the transaction field and press ENTER. If the record was deleted, the screen will be returned alone with a message stating "ACTIVITY ACCEPTED: RECORD DELETED". If any other message is displayed, see ERROR MESSAGES.

ERROR MESSAGES:

- **ACTIVITY REJECTED: UNAUTHORIZED USER.** If this message is displayed, the user is either not authorized to use this transaction or an invalid password was entered.
- **ACTIVITY REJECTED: INVALID TRANSACTION CODE.** If this message is displayed, the transaction that was entered was not valid, must be A, C, D, or I.
- **ACTIVITY REJECTED: UNABLE TO BUILD NEW RECORD.** If this message is displayed, an establish transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
- **ACTIVITY REJECTED: RECORD ALREADY EXISTS.** If this message is displayed, an establish transaction was attempted for a record already on the database. User may want to use a change transaction for this record.
- **ACTIVITY REJECTED: UNABLE TO INQUIRY RECORD.** If this message is displayed, there was a request made for a record that was not previously established.

- **ACTIVITY REJECTED: INVALID PRIME ALC CODE.** If this message is displayed, the PRI-ALC-CD which was entered was not valid, must be A, B, C, F, or D.
- **ACTIVITY REJECTED: UNABLE TO FIND AND CHNG RECORD.** If this message is displayed, there was a request made to change a record that was not previously established.
- **ACTIVITY REJECTED: RECORD NOT CHANGED.** If this message is displayed, a change transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
- **ACTIVITY REJECTED: UNABLE TO FIND AND DEL RECORD.** If this message is displayed, there was a request made to delete a record that was not previously established.
- **ACTIVITY REJECTED: UNABLE TO DELETE RECORD.** If this message is displayed, a delete transaction was attempted and CDB problem was encountered, notify OC-ALC/TILC.
- **ACTIVITY REJECTED: INVALID MDS LIST.** If this message is displayed, the first-position of the MDS-LIST fields is blank. Must be alpha or numeric. If MDS is valid, enter Y (YES) in override field.
- **ACTIVITY REJECTED: INVALID TMSM-LIST.** If this message is displayed, one or more of the first three-positions of the TMSM-LIST field is blank. Must be alpha or numeric. If TMSM is valid, enter Y (YES) in override field.
- **ACTIVITY REJECTED: INVALID NSN.**

INFORMATION MESSAGES:

- **ACTIVITY ACCEPTED: NEW RECORD BUILT.**
- **ACTIVITY ACCEPTED: RECORD CHANGED.**
- **ACTIVITY ACCEPTED: RECORD DELETED.**
- **ACTIVITY ACCEPTED: RECORD DISPLAYED.**

Sample Format A303

A304 - TCCs • CDB use only, except for inquiry function.

PURPOSE: This IMS program will update the TCC table by remote PC entry. The update options allow inquiry, establish, change, or deletion of data.

ENTER: /FOR CEOAA304

OPTIONS: A = ESTABLISH D = DELETE C = CHANGE I = INQUIRY

REQUIRED FIELDS TO ESTABLISH:

TRANS = A

PASSWORD = Valid password.

TCC - Valid code (reference T.O. 00-25-254-1).

TRC - Y for yes if applicable.

K Valid - "Y" for yes if applicable.

VALID-FOLLOWING-CD = Logical sequence code (reference T.O. 00-25-254-1).

VALID-FOLLOWING TRC-CD = List all valid following TRC codes as per T.O. 00-25-254-1 (if applicable).

VALID-FOLLOWING K-CD = List all valid following K codes as per T.O. 00-25-254-1 (if applicable).

NOUN = Description of TCC.

• All required fields must be typed in as described above. In addition to required fields, the operator must also type in any of the remaining data that is available. After all the data has been typed in, press the ENTER key. If the record was added, a message will be displayed at the bottom of the screen stating, "SEGMENT PROCESSED SUCCESSFULLY". If any other message is displayed, see ERROR MESSAGES.

REQUIRED FIELDS FOR INQUIRY TRANSACTION:

TRANS = I

TCC = (Valid).

• The segment and transactions after the required fields above have been typed in, press the ENTER key. If the TCC that was entered is valid and the requested segment exists, the record will be returned to the screen. If there were any problems, an ERROR MESSAGE will be displayed at the bottom of the screen. (See ERROR MESSAGES, below).

REQUIRED FIELDS FOR CHANGE TRANSACTION:

TRANSACTION = C

PASSWORD = Valid

• The remaining fields are the same as for the ESTABLISH transaction. Before a change can be made to a previously established record, the operator must first make an INQUIRY on that record. After a successful INQUIRY has been completed, changes can be made by entering a C in TRANS and typing over the existing field(s) which are to be changed. Press ENTER, if changes were made, a blank screen will be returned with a message at the bottom of the screen stating, "SEGMENT PROCESSED SUCCESSFULLY". If any other message is displayed, see ERROR MESSAGES, below.

REQUIRED FIELDS FOR DELETE TRANSACTION:

TRANSACTION = Must be D.

PASSWORD = Valid password.

• The remaining fields are the same as for the INQUIRY transaction. In order to make a successful deletion, an INQUIRY should first be completed on the record to be deleted. After the inquiry screen has been returned, type a "D" in TRANS and press ENTER. If the record was deleted, a message will be displayed at the bottom of the screen stating "SEGMENT PROCESSED SUCCESSFULLY". If any other message is displayed, see ERROR MESSAGES, below.

ERROR MESSAGES:

- **INVALID TRANSACTION.** If this message is displayed, the transaction that was keyed in was not one of the valid transactions (i.e. A, C, D, or I).
- **SEGMENT ALREADY EXISTS.** If this message is displayed, an addition transaction was made and the record was already established.
- **HIGHLIGHTED FIELDS ARE IN ERROR.** If this message is displayed, there was invalid data typed into the field(s). To correct the error, type over the highlighted field(s) and press ENTER. If required

fields are left blank, highlighted stars will be displayed in the erroneous field.

- **ERROR - LOGICAL SEQUENCE CODE IS REQUIRED.** If this message is displayed, there were no TRC or K codes entered in any of the valid following fields. At least one of these codes is required for all TCCs except loss codes. To correct, type in the sequence code and press ENTER key. If this information is entered for a loss code, the program will automatically delete it before inserting it into the database. There will be no message for this occurrence.
- **REQUEST RECORD DOES NOT EXIST.** If this message is displayed, there was a request made for a record that was not previously established.
- **YOU ARE NOT AN AUTHORIZED USER.**
- **THERE SHOULD BE TRC CODES, PLEASE MAKE THE NECESSARY CHANGE.**
- **THE TRC CODES LISTED ARE EXTRANEIOUS, PLEASE CORRECT.**
- **THIS IS AN INVALID TRC-VALID RESPONSE. PLEASE MAKE THE NECESSARY CHANGE.**
- **THERE SHOULD BE K CODES, PLEASE MAKE THE NECESSARY CHANGES.**
- **THE K CODES LISTED ARE EXTRANEIOUS, PLEASE CORRECT.**
- **THIS IS AN INVALID K-VALID RESPONSE, PLEASE MAKE THE NECESSARY CHANGE.**

Sample Format A304

A305 - CII FILE MAINTENANCE - ENGINE CONFIGURATION OC-ALC and CDB only, except for inquiry function.

PURPOSE: This IMS program displays the configured item file. It will establish a new CII master record, establish engine configuration, change data elements in an existing record, delete a master record and inquire on a master record based on the applicable transaction code.

ENTER: /FOR CEOAA305

OPTIONS: A = ESTABLISH CII MASTER RECORDS E=ESTABLISH ENGINE CONFIGURATION FOR TMSM C = CHANGE CII RECORD D = DELETE CII RECORD T = DECONFIGURE I = INQUIRY

REQUIRED FIELDS TO INQUIRE ON A CII:

TRANS - I
CII

REQUIRED FIELDS TO ESTABLISH CII MASTER RECORD:

TRANS - A
PASSWORD - Valid password.
CII
NOUN

ITEM-TYPE (E=engine, M=module, A=accessory, C=component, S=subassy, B=blade set). Repair level "D"for depot replacement items included on I-decks. "P"for depot replacement items excluded on I-decks. "B"for base replacement items included on I-decks.

QPA

NHA (For lower assembly only) - expressed as CII.

CII-NHA - (If the record being established is for an engine and the engine uses a recorder, enter the CII of the recorder. Otherwise, enter NA.)

PT POS SENS - Part Position sensitive code (Yes or No).

WUC - All non-parts tracked engines and modules will carry nines (99999) in the WUC field.

INDENTURE LEVEL: (Must be 2 for engines, with each higher number representing the succeeding NLA.)

BC - "Y" in this field indicates a base can condemn.

CATALOG NUMBER (MFG data)

TLC

INS/REM VAR

UpDT LIMIT

EXT FLGT

TO ESTABLISH ENGINE CONFIGURATION FOR A TMSM:

TRANS: E

PASSWORD - Valid password

TMSM - (If necessary. Must be established in the TMSM and/or engine ID table)

T = Type letter three position alpha, right justified prefixed with spaces.

M = Model number four position alphanumeric, right justified prefixed with zeroes.

S = Series three position alphanumeric, right justified prefixed with zeroes.

M = Modification two position alphanumeric, left justified suffixed with spaces - all spaces if no entry.

- For airborne auxiliary and ground turbine engines which have type letter fields that are in excess of the above standard, it will be necessary to allow the final position to invade the model number field on the far left by replacing the existing zero. This will allow the model number field to remain without shifting.

- Repeat the transaction for each NLA until complete engine configuration is built. A NLA must not precede its NHA. The order in which the CBS are submitted will determine the order they appear on explosion reports. One complete engine must be built up for each TMSM applicable to the engine CII.

TO DE-CONFIGURE SUB-SEGMENTS CE103130/140:

TRANS - T

- First make an INQUIRY, then change the TRANS to "T" and press enter. This option will de-configure parts tracked TMSMs. CBS (CE103RSGs) can then be deleted if necessary. Note all TMSM configurations that use this CII will be de-configured. This option is also used when deleting an obsolete TMSM for a

status engine, note there may be other valid TMSMs that use the same CII. It may be necessary to reestablish, option "E" the 103140 segments for the remaining TMSMs.

TO CHANGE A CII RECORD:

- First make an INQUIRY then change the TRANS to "C", enter password and key over the field(s) which require a change. Press ENTER. The following fields are available for change: Noun, CII-EHR, INS/REM VAR, UpDT Limit, WUC, Repair Level, EXT FLGT, BC.
- To change variance or MAX-UPDATE use the "I" transaction to display the existing values then overtype the new values.
- To change a WUC, enter a "C" in TRANS, enter "XWUCX" in the WUC field, press ENTER then, overtype "XWUCX" with the new WUC then press ENTER again.

REQUIRED FIELDS TO ADD OR DELETE TRACKING METHOD:

- To add or delete a tracking method, first INQUIRE to display the existing values, then overtype a line or add a new method at the end.
 - Delete by blanking out catalog number (or overtyping). This will apply to all CIIs associated with the engine, and is valid only for an engine CII.
- QPA - QPA is also copied in other segments. Do not change QPA for CIIs that are configured. De-configure before making a QPA change.

REQUIRED FIELDS TO DELETE A CII:

TRANS - D
PASSWORD
CII

- When one CII is deleted, an E transaction must be resubmitted for each CII (engine and all NLA) for each engine TMSM applicable.
- To delete a CII that is configured, all S/Ns attached to that CII must be deleted.

ERROR MESSAGES:

- INVALID TRANSACTION CODE.
- QPA MUST BE NUMERIC.
- ENTER NOUN.
- ENGINES MAY NOT HAVE NHAs.
- LOWER LEVEL CII NEEDS NHA.
- ITEM TYPE IS INVALID.
- ITEM TYPE DOES NOT MATCH CII TYPE.
- ENGINE INDENTURE LEVEL MUST BE TWO.
- NHA CANNOT HAVE NLAs.
- INDENTURE LEVEL IS NOT COMPATIBLE WITH NHA.
- NHA IS NOT A VALID CII.
- CII ALREADY BUILT.
- CATALOG NUMBER MUST BE NUMERIC OR BLANK.
- TRACKING METHOD DOES NOT MATCH NHA.
- INVALID CATALOG NUMBER.
- TLC DOES NOT MATCH CATALOG NUMBER.
- INS/REM VAR MUST BE NUMERIC.
- UpDT LIMIT MUST BE NUMERIC.
- CII NOT FOUND.
- DELETE ALL NLAs UNDER CII.
- DELETE ALL SERIAL NUMBERS BEFORE CII.
- TMSM NOT FOUND.
- INDENTURE LEVEL NOT VALID.
- ESTABLISH ENGINE CII FIRST.
- TSMS NOT COMPATIBLE WITH CII.
- ENGINE ALREADY ESTABLISHED.
- BOMP SUB MUST BE ONE FOR ENGINE CII.
- BOMP SUB MUST BE ONE MORE THAN LAST CII.
- CONFIGURE NHA BEFORE NLA.
- EXCESSIVE NLA CII.

- CE103140 ESTABLISHED EARLIER.
- YOU ARE NOT AN AUTHORIZED USER.
- TRANSACTION REJECTED.
- INPUT REJECTED.
- INPUT INVALID.
- CII REQUIRED.
- DATA BASE PROBLEM NOTIFY PROGRAMMER. (SYSTEM ERROR)
- ENGINE CII BUILT.
- CE103RSG BUILT CE103110 FAILED. (SYSTEM ERROR. Notify Programmer)
- CATALOG NUMBER TABLE GONE. (SYSTEM ERROR. Notify Programmer)
- INPUT ERROR.
- CII CHANGED.
- INVALID CE103110 LINK. (SYSTEM ERROR. Notify Programmer)
- BAD INPUT SEQUENCE. DELETE ALL NLAs UNDER CII.
- CII DELETED.
- TMSM ENGINE CII IS NOT VALID.
- BOMP RECORD FULL. (SYSTEM ERROR. Notify Programmer)
- POINTER PROBLEM IN CE103130. (SYSTEM ERROR. Notify Programmer)
- SYSTEM ERROR. (SYSTEM ERROR. Notify Programmer)
- CII CONFIGURED.
- NHA IS NOT A VALID CII.
- REQUESTED DATA.
- INPUT INVALID TRACKING LEVEL MUST BE B OR C.
- NLA CII BUILT.

Sample Format A305

A306 - MISSION PROFILE TABLE (SA-ALC/LPF and CDB use only except for inquiry)

PURPOSE: This IMS program will maintain the CE101RSL Mission Profile. Data is entered via appropriate transaction code as required to establish, inquiry, change, and delete from the table.

ENTER: /FOR CEOAA306

OPTIONS: A = ESTABLISH I = INQUIRY C = CHANGE D = DELETE

REQUIRED FIELDS to INQUIRE:

TRANS - I
MISSION PROFILE CODE (Right justified, left fill with spaces)

REQUIRED FIELDS to ESTABLISH:

TRANSACTION - A
PASSWORD - (Valid)
MISSION PROFILE CODE - Right justified, left fill with spaces.
ENGINE OPERATION MODE - F (flight), G (ground), T (test).
NOUN - Narrative that describes the mission profile code.

REQUIRED FIELDS to CHANGE:

Engine Operation Mode
F = Flight G = Ground T = Test
•To CHANGE an existing record, first make an INQUIRY on the record to be changed. After the inquiry screen has been returned, type over the field to be changed, key in a C in TRANS, enter valid password and press ENTER.

REQUIRED FIELDS to DELETE:

TRANSACTION = D
PASSWORD = (Valid)
MISSION PROFILE CODE = (Valid) Right justified, left fill with spaces.
•Before deleting a record, first make an INQUIRY on the record to be deleted. After the inquiry screen has been returned, type in a D in TRANS, enter valid password and press ENTER.

ERROR MESSAGES: A message will be displayed describing the results of the transaction.

- INPUT REJECTED INVALID TRANSACTION CODE MUST BE A, I, C, OR D.
- INPUT INVALID NOUN IS REQUIRED.
- INVALID INPUT MISSION PROFILE NOT FOUND.
- TRANSACTION REJECTED YOU ARE NOT AN AUTHORIZED USER - ENTER VALID PASSWORD.
- INVALID INPUT MISSION PROFILE ALREADY BUILT.
- ENTRY DELETED.
- INPUT INVALID ENG OP MODE MUST BE F, G, OR T.
- SYSTEM ERROR NOTIFY PROGRAMMER.
- INPUT INVALID MISSION PROFILE CODE IS REQUIRED.

INFORMATION MESSAGES:

- ENTRY ADDED.
- ENTRY IS CHANGED.
- REQUESTED DATA.

Sample Format A306

A307 - CAMS INITIALIZATION DATA • CDB use only, except for inquiry.

PURPOSE: This IMS program will maintain the CAMS initialization data record (CE100150). Data is entered via appropriate transaction code as required to establish, inquiry, change, and delete the record.

ENTER: /FOR CEOAA307

OPTIONS: I = INQUIRY A = ESTABLISH C = CHANGE D = DELETE

REQUIRED FIELDS FOR AN INQUIRY TRANSACTION:

TRANSACTION CODE - I

SRAN

ENGINE ID.

REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:

TRANSACTION CODE - A

SRAN

PASSWORD

ENGINE ID

SRD

PEC - Left justified, fill remaining with spaces

UNIT ID

WORK CENTER - Remotely assigned four positions alphanumeric field.

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

TRANSACTION CODE - C

SRAN - PASSWORD

ENGINE ID.

•To change an existing record, first make an INQUIRY to the record requiring the change. After the inquiry screen is displayed with existing data, type a "C" in TRANS, type over data to be changed then press ENTER.

REQUIRED FIELDS FOR DELETE TRANSACTION:

TRANSACTION CODE - D

SRAN - PASSWORD

ENGINE ID.

•Before the deletion of record, it should be preceded by an INQUIRY transaction, however, it is not a requirement.

ERROR MESSAGES:

INVALID SRAN.

•CANNOT INSERT BLANK RECORD.

•INVALID TRANSACTION CODE.

•INITIALIZATION DATA NOT LOADED FOR THIS ID.

•ENTER FIELD TO BE CHANGED.

•DLI ERROR - (STATUS CODE, DLI FUNCTION, SEGMENT NAME, SSA) SYSTEM ERROR.

•YOU ARE NOT AN AUTHORIZED USER.

•ENGINE - ID ALREADY EXISTS

INFORMATION MESSAGES:

•SEGMENT CE100150 DELETED.

•SEGMENT CE100150 INSERTED.

•SEGMENT CE100150 CHANGED.

Sample Format A307

A308 - COMMAND CODES • OC-ALC/TILC use only, except for inquiry function

PURPOSE: This IMS program updates the command code table. This data is entered by appropriate transaction code as required to inquire, establish, change or delete a command code record. The job will then display text and appropriate message(s) for completed processing or transaction reject.

ENTER: /FOR CEOAA308

OPTIONS: I = INQUIRY A = ESTABLISH C = CHANGE D = DELETE

REQUIRED FIELDS to INQUIRE:

TRANS - I

COMMAND - Major (valid, the segment and its key must have been established prior to this transaction).

SUB OR BLANK - (Reference AFR300-4, ADEMA-300-XII).

REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:

TRANS - A

PASSWORD - Valid

COMMAND MAJOR - Valid

SUB OR BLANK

COMMAND - Symbol

COMMAND NAME

COMMAND-ABBRV

SUB-COMMAND NAME

- When establishing a new command code, the major-command should be established with a blank sub-command first, then if any sub-command codes are to be established, enter each valid sub-command to establish them with the major command codes.

If an attempt is made to establish a sub-command first, an error message will be displayed on the screen: "TRANS REJECTED -ESTABLISH MAJOR COMMAND WITH BLANK FIRST".

All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was added, a message will be displayed at the bottom of the screen stating "RECORD HAS BEEN PROCESSED SUCCESSFULLY".

REQUIRED FIELDS FOR CHANGE TRANSACTION:

TRANS - C

PASSWORD - Valid

- The remaining fields available for change are the same as for the ESTABLISH transactions. Before a change can be made to a previously established record, first make an INQUIRY on the record. After a successful inquiry has been completed, changes can be made by typing a "C" in TRANS, then type over the existing field(s) which are to be changed and press ENTER. If changes were made, a blank screen will be returned with a message at the bottom stating "RECORD HAS BEEN PROCESSED SUCCESSFULLY".

- NOTE: Key fields (major command and sub command) cannot be changed.

REQUIRED FIELDS FOR DELETE TRANSACTION:

TRANS - D

PASSWORD - Valid

- The remaining fields are the same as for the INQUIRY transaction.

- If an attempt to delete a valid command code with a valid sub-command code also established, an error message will be displayed on the screen stating "DELETE ALL SUB COMMANDS UNDER THE MAJ-CMD FIRST".

- In order to make a successful deletion, an INQUIRY should first be completed on the record to be deleted. After the INQUIRY screen has been returned, type a "D" in TRANS and press ENTER. If the record was deleted, a message will be displayed at the bottom of the screen stating "SEGMENT PROCESSED SUCCESSFULLY".

ERROR MESSAGES:

- HIGHLIGHTED FIELDS ARE IN ERROR. If this message is displayed, there is invalid data typed into the field(s). To correct the error type over the highlighted field(s) and press ENTER.

- REQUESTED RECORD DOES NOT EXIST. If this message is displayed, there was a request made for a

record that was not previously established.

- **SEGMENT ALREADY EXISTS.** If this message is displayed, an ESTABLISH TRANS was made and the record was already established.
- **INVALID TRANSACTION.** If this message is displayed, the transaction that was entered was not valid. Must be A, C, D, or I.
- **YOU ARE NOT AN AUTHORIZED USER.** Enter valid password.
- **TRANS-REJECTED.** Delete all sub command codes under the major command first.
- **TRANS-REJECTED.** Establish major command with a blank sub command first.

INFORMATION MESSAGES:

- **ENTRY ADDED.**
- **ENTRY CHANGED.**
- **ENTRY DELETED.**
- **INQUIRY PROCESSED SUCCESSFULLY.**

Sample Format A308

A309 - AUTOMATIC RESUPPLY TABLE • PEMOs only except for inquiry

PURPOSE: This IMS program selects, updates, adds, changes, or deletes data elements in the CE101RSH Automatic Resupply Table.

ENTER: /FOR CEOAA309

OPTIONS: I = INQUIRE, A = ESTABLISH, C = CHANGE D = DELETE

REQUIRED FIELDS to INQUIRE:

TRANS - I
FAMILY GROUP CODE
SRAN
COMMAND CODE

REQUIRED FIELDS to ESTABLISH:

TRANS - A
PASSWORD
FAMILY GROUP CODE - Must already exist in the family group header table.
SRAN
COMMAND CODE
NORMAL LEVEL - Established by EIM.
RESUPPLY CD - 1, 2, 3 or 4 as assigned by EIM. Resupply codes 1, 2, and 3 are used in the propulsion unit automatic resupply report and inventory status C004A.
 "Blank" Resupply Code field - Indicates that automatic resupply is applicable to this SRAN.
 Resupply Code "1" - When used preceding a SRAN indicates that automatic resupply is not applicable to this command at the base.
 Resupply Code "2" - When used preceding a SRAN indicates an engine specialized repair activity (SRA) for engines in the family group.
 Resupply Code "3" - When used preceding a SRAN indicates an end item SRA for end items utilizing this particular family group of engines.
 Resupply Code "4" - Not presently assigned, reserved for future use.
LAST CHANGE DATE
TARGET-SERVICEABLES - Established by EIM.

REQUIRED FIELDS to CHANGE/DELETE:

TRANS - C or D
PASSWORD

- To CHANGE or DELETE an existing record, first INQUIRE on the record then change the TRANS to "C" or "D", type over data to be changed or deleted, then press ENTER. If the record was changed/deleted, a message will be displayed at the bottom of the screen stating, "SEGMENT PROCESSED SUCCESSFULLY".
- NOTE: On change transactions, current Julian (YYDDD) date from the system will be automatically put in last change date field.

ERROR MESSAGES:

- HIGHLIGHTED FIELDS ARE IN ERROR. If this message is displayed, there was invalid data typed into the field(s). To correct the error, type over the highlighted field(s) and press ENTER. NOTE: If required fields are left blank, highlighted stars will be displayed in the erroneous field.
- REQUESTED RECORD DOES NOT EXIST. If this message is displayed, there was a request made for a record that has already been established.
- SEGMENT ALREADY EXISTS. If this message is displayed, an addition transaction was entered and the record has already been established.
- INVALID TRANSACTION. In order to make a successful deletion, an INQUIRY should first be completed in the record to be deleted. After the inquiry screen has been returned, type a "D" in TRANS and press ENTER. If the record was deleted, a message will be displayed at the bottom of the screen stating, "SEGMENT PROCESSED SUCCESSFULLY".

TO 00-25-254-2

INFORMATION MESSAGES:

- SEGMENT PROCESSED SUCCESSFULLY

Sample Format A309

A310 - EQUATION CONSTANT UPDATE PROGRAM • CDB use only except for inquiry.

PURPOSE: This IMS program updates the CII master record. It is used to maintain age equation constants.

ENTER: /FOR CEOAA310

OPTIONS: I = INQUIRE C = CHANGE

REQUIRED FIELDS to INQUIRE:

TRANS - I
CII

REQUIRED FIELDS TO ESTABLISH OR CHANGE:

TRANSACTION - C
PASSWORD - Valid password.
CII - Valid

DESIRED CONSTANTS

VALID EQUATION TYPE - Type 1: Cycle and calculated flying hour equations; ELC, SCY, TAC, CCY. Values for SCY go in K-factor C8 and C9. Type 2: Equivalent time at temperature; ETT, CFH Type 3: Both type 1 and type 2.

• Before establishing or changing parameters, an inquiry must first be made. When the data from the inquiry is on the screen, type a "C" in TRANS, type in your password and then type over either the "NOT SET" with the data to be established, or the data that requires change.

ERROR MESSAGES:

- INVALID TRANS CODE.
- INVALID CII.
- INVALID EQUATION TYPE.
- CONSTANT ERROR - INVALID DIGIT, MULTIPLE DECIMAL.
- TRANSACTION REJECTED: YOU ARE NOT AN AUTHORIZED USER

Sample Format A310

A311 - SPECIAL STATUS CODE TABLE • CDB only except for inquiry function

PURPOSE: This IMS program updates the special status code table via means of a remote PC entry and display and/or print text and appropriate message(s) for completed processing, or transaction rejection. This job edits the input data elements, establishes new special status code record, change data element(s), delete special status code record and inquire.

NOTE: Special Status Codes when loaded to a CII can be viewed on IMSA program EA03 (Age by S/N) and TSOA program E102 (Inventory Life Remaining).

ENTER: /FOR CEOAA311

OPTIONS: A = ESTABLISH I = INQUIRY D = DELETE C = CHANGE

REQUIRED FIELDS to INQUIRE:

TRANS - I

SPECIAL STATUS CODE - Valid. The segment and its key must have been established prior to the transaction. After the required fields above have been typed in, press the ENTER key. If the requested segment exists, the record will be returned to the screen along with a message stating, "ACTIVITY ACCEPTED: RECORD DISPLAYED". If any other message is displayed, see ERROR MESSAGES.

REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:

TRANSACTION - A

PASSWORD - Valid password.

SPECIAL STATUS CODE - Valid

LTF - Lead The Fleet.

ACI - Analytical Condition Inspection.

SSL - Special Serialized Limits.

REC - Reclamation

A/I - Accident and/or Incident.

EWP - Engine Warranty Program.

TDR - Teardown Deficiency Report.

OAR - Oil Analysis Report.

SAF - Simulated Actual Flight Endurance.

AMT - Accelerated Mission Test.

ENG - Engineering Evaluation.

TRG - Training Items.

CAL - Test Cell Calibration Engine.

CAB - Cannibalized

DIS - Disassembled Engine.

ORF - Overhaul and/or Repair Facilities.

PMG - Parts Missing.

NOUN - Valid

•All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was established, a message will be displayed at the bottom of the screen stating, "ACTIVITY ACCEPTED: NEW RECORD BUILT". If any other message is displayed, see ERROR MESSAGES (below).

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

TRANSACTION - C

PASSWORD - Valid password.

•The remaining fields are the same as for the ESTABLISH transaction. Before a change can be made to a previously established record, the operator must first make an INQUIRY on that record. (Follow same steps as INQUIRY transaction, above). After a successful inquiry has been completed, changes can be made by typing a "C" in TRANS and then typing over the field(s), which are to be changed. Press ENTER, if changes were made, the screen will be returned with a message stating, "ACTIVITY ACCEPTED: RECORD CHANGED". If any other message is displayed, see ERROR MESSAGES.

REQUIRED FIELDS FOR A DELETE TRANSACTION:

TRANSACTION - D

PASSWORD - Valid password.

• The remaining fields are the same as for the INQUIRY transaction. In order to make a successful deletion, an INQUIRY should first be completed on the record to be deleted. After the inquiry screen has been returned, type a "D" in TRANS and press ENTER. If the record was deleted, the screen will be returned along with a message stating, "ACTIVITY ACCEPTED: RECORD DELETED". If any other message is displayed, see ERROR MESSAGES.

ERROR MESSAGES:

- **ACTIVITY REJECTED: UNAUTHORIZED USER.** If this message is displayed, the user is either not authorized to use this transaction or an invalid password was entered.
- **ACTIVITY REJECTED: INVALID TRANSACTION CODE.** If this message is displayed, the transaction that was entered was not valid. Must be A, C, D, or I.
- **ACTIVITY REJECTED: UNABLE TO BUILD NEW RECORD.** If this message is displayed, an establish transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
- **ACTIVITY REJECTED: RECORD ALREADY EXISTS.** If this message is displayed, an establish transaction was attempted for a record which had been previously established.
- **ACTIVITY REJECTED: UNABLE TO INQUIRY RECORD.** If this message is displayed, there was a request made for a record that was not previously established.
- **ACTIVITY REJECTED: UNABLE TO FIND AND CHANGE RECORD.** If this message is displayed, there was a request made to change a record that was not previously established.
- **ACTIVITY REJECTED: RECORD NOT CHANGED.** If this message is displayed, a change transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
- **ACTIVITY REJECTED: UNABLE TO FIND AND DEL RECORD.** If this message is displayed, there was a request made to delete a record that was not previously established.
- **ACTIVITY REJECTED: UNABLE TO DELETE RECORD.** If this message is displayed, a delete transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
- **ACTIVITY REJECTED: NOUN IS REQUIRED.**

INFORMATION MESSAGES:

- **ACTIVITY ACCEPTED: NEW RECORD BUILT.**
- **ACTIVITY ACCEPTED: RECORD CHANGED**
- **ACTIVITY ACCEPTED: RECORD DELETED**
- **ACTIVITY ACCEPTED: RECORD DISPLAYED**

Sample Format A311

A312 - MASTER GROUPING TABLE • OC-ALC/LP, SA-ALC/LP, and CDB only, except for inquiry

PURPOSE: This IMS program updates the master grouping table. Data is entered by appropriate transaction code to establish, change, delete, or inquire on the Master Grouping Table.

ENTER: /FOR CEOAA312

OPTIONS: A = ESTABLISH C = CHANGE D = DELETE I = INQUIRE

REQUIRED FIELDS to INQUIRE:

TRANS - I

ENGINE - Express as TMSM

AIRCRAFT - Express as NHA designation.

REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:

TRANSACTION - A

PASSWORD - Valid password.

ENGINE - Express as TMSM

T = Type letter, three position alpha, right justified prefixed with spaces.

M = Model number, four position alphanumeric, right justified prefixed with zeroes.

S = Series, three position alphanumeric, right justified prefixed with zeroes.

M = Modification, two position alphanumeric, left justified suffixed with spaces (all spaces if no entry).

• For airborne auxiliary and ground turbine engines which have type letter fields that are in excess of the above standard, it will be necessary to allow the final position to invade the model number field on the far left by replacing the existing zero. This will allow the model number field to remain without shifting.

• TMSM must exist in the CE101RSC table or the transaction will be rejected.

AIRCRAFT - Express as NHA designation. Normally this field will contain the engines NHA that is the aircraft MDS.

M = Mission, three position alphanumeric, right justified and prefixed with spaces.

D = Design, three position alphanumeric, right justified and prefixed with zeroes.

S = Series, one position alphanumeric.

ACTUARIAL COMBINATION - 16 position, alphanumeric field.

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

TRANS- C

PASSWORD - Valid

ENGINE - Express as TMSM.

AIRCRAFT - Express as NHA designation.

ACTUARIAL COMBINATION

• An inquiry transaction is recommended prior to making a change to an existing record within the Master Grouping Table. After the inquiry screen is returned, the actuarial combination may be changed, but not the key fields (engine and/or aircraft). Once the fields have been changed, press the ENTER key. If the change transaction was accepted, the message "ENTRY IS CHANGED" will be displayed at the bottom of the screen.

REQUIRED FIELDS FOR A DELETE TRANSACTION:

TRANSACTION - D

PASSWORD - Valid

ENGINE - Express a valid TMSM.

AIRCRAFT - Express as NHA designation.

• An inquiry transaction is recommended prior to deleting an existing record within the Master Grouping Table. After the inquiry screen is returned, enter a "D" in TRANS, type in your password, then press the ENTER key. The message "ENTRY DELETED" will appear at the bottom of the screen if the transaction was accepted; otherwise an error message will be displayed.

ERROR MESSAGES:

- INVALID INPUT REPORTING COMBINATION NOT FOUND.
- INVALID INPUT ENGINE NOT FOUND IN CE110RSC TABLE.

- INVALID INPUT REPORTING COMBINATION ALREADY BUILT.
 - INPUT REJECTED INVALID TRANSACTION CODE.
 - TRANSACTION REJECTED YOU ARE NOT AN AUTHORIZED USER.
 - SYSTEM ERROR NOTIFY PROGRAMMER.
 - DLI ERROR CEMUA312 STATUS CODE DLI FUNCTION SEGMENT NAME CALL LOCATION SSA.
- Print the screen image for the DLI error and contact OC-ALC/TILC mission OPR for assistance.

INFORMATION MESSAGES:

- ENTRY ADDED.
- ENTRY ADDED WARNING - AIRCRAFT NOT FOUND IN CE101RSC TABLE.
- ENTRY IS CHANGED.
- ENTRY DELETED.
- REQUESTED DATA.

Sample Format A312

A314 - CATALOG NUMBER TABLE • CDB use only, except for inquiry function

PURPOSE: This IMS program displays the Catalog Numbers Table. The data is entered by appropriate transaction code as required. This program edits the transaction code, inquires, establishes, changes, or deletes catalog method and TLC table based on the transaction data elements. Changes made to A314 are reflected on program A276 (Catalog Number Table).

ENTER: /FOR CEOAA314

OPTIONS: A = Establish C = Change D = Delete I = Inquire

REQUIRED FIELDS to INQUIRE:

TRANS - I
CATALOG NUMBER - Valid catalog number.

REQUIRED FIELDS to ESTABLISH:

TRANS - A
PASSWORD - Valid password.
CATALOG NUMBER - Valid catalog number.
METHOD - Tracking method description.
TLC
DECIMAL - Must be a value from zero to nine.

REQUIRED FIELDS to CHANGE:

TRANS - C
PASSWORD - Valid password.
CATALOG NUMBER - Valid catalog number.

REQUIRED FIELDS to DELETE:

TRANS - D
PASSWORD - Valid password.
CATALOG NUMBER - Valid catalog number.

ERROR MESSAGES:

An ACTIVITY ACCEPTED or ACTIVITY REJECTED message will be displayed at the bottom of the screen.

- CATALOG NUMBER MUST BE 01-99.
- INVALID TRANSACTION CODE.
- TLC IS REQUIRED.
- CATALOG NUMBER ALREADY BUILT.
- CATALOG NUMBER NOT FOUND.
- YOU ARE NOT AN AUTHORIZED USER.
- TRANSACTION REJECTED.
- INVALID INPUT.
- INPUT REJECTED.
- METHOD IS REQUIRED.

INFORMATION MESSAGES:

- CATALOG NUMBER INSERTED.
- CATALOG NUMBER ADDED.
- TRANSACTION RUN.
- CATALOG NUMBER IS CHANGED.

- CATALOG NUMBER IS DELETED.
- REQUESTED DATA.
- TRANSACTION PROCESSED.

Sample Format A314

A315 - ENGINE ID TMSM TABLE • CDB use only, except for inquiry function

PURPOSE: This IMS program updates the ENGINE ID to TMSM and TMSM to ENGINE ID table. The data is entered by the appropriate transaction code as required. This job edits input and/or data elements and for the appropriate transaction code will establish a new engine ID to TMSM or TMSM to ENGINE ID table, change data elements in an existing record, delete the ENGINE ID to TMSM table record. The output will be a display text and appropriate message(s) for the completed processing, or transaction reject.

ENTER: /FOR CEOAA315

OPTIONS: A = ESTABLISH C = CHANGE D = DELETE I = INQUIRY
M = CHANGE SELECT MONETARY DATA ELEMENTS
X = SPECIAL DELETE

REQUIRED FIELDS to INQUIRE:

TRANS - I
ENGINE ID AND/OR WUC - For engine ID to TMSM record.
TMSM - For TMSM to engine ID record.

REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:

TRANS - A. Limited to OC-ALC/TILC.
PASSWORD - Valid password.
ENGINE ID
WUC - All non-parts tracked engines will carry nines (99999) in the WUC field.
TMSM -
T - Type letter, three position, alpha, right justified prefixed with spaces.
M - Module number, four position, alphanumeric, right justified prefixed with zeroes.
S - Series, three position alphanumeric, right justified prefixed with zeroes.
M - Modification, two position alphanumeric, left justified prefixed with spaces - all spaces if no entry.

- For airborne auxiliary and ground turbine engines which have type letter fields that are in success of the above standard, will be necessary to allow the final position to invade the model number field on the far left by replacing the existing zero. This will allow the model number field to remain without shifting.

FAMILY GROUP CODE - (Must already exist in the family group header table).
PRIME-AUX CODE - 1 = Prime, 2 = Auxiliary (optional - for engines only).
PRIME ALC CODE - A = OC-ALC B = SA(OC) C = WR-ALC D = OO-ALC E = Pratt (F119)
F = LM-Aero G = 20LK.
ITEM MANAGER CODE - (Prime EIM).
TYPE ENGINE CODE -

CODES\DEFINITIONS

A - Jet 02A
B - Jet Missile
C - Jet Drone
D - Ram Jet Missile
E - Ram Jet Drone
F - Missile Liquid Fuel Rocket
G - Missile Solid Fuel Rocket
H - Turbo 02A
I - Reciprocating 02A
J - Drone Reciprocating
K - Auxiliary Turbo
L - Auxiliary Reciprocating
M - Auxiliary Liquid Fuel
N - Ground Power Unit

CII - Code must already exist in the CII and/or WUC table.
ENGINE CII - Code must already exist in the CII and/or WUC table (engines only).
MAX TIME - If applicable.

TRANSFER TIME - Engines, modules and gearboxes only. UNIT COST
 NHA DESIGNATOR - a condensed version of the TMSM contained in that same record.

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

Transaction - C (Limited to OC-ALC/TILC)

Password - Valid password.

Engine ID and WUC or TMSM.

- To CHANGE an existing record, first make an INQUIRY on the record to be changed. After the inquiry screen has been returned, type over the field to be changed, type a "C" in TRANS, enter valid password and press ENTER.
- Changes to WUC are restricted by the values in the CII master record (CE103RSG).

TO CHANGE SELECT MONETARY DATA ELEMENTS:

To make a CHANGE on UNIT COST, MFR NAME, and ACQ DATE (Limited to Engine Item Managers)

TRANSACTION - M

PASSWORD - Valid Password. Contact OC-ALC/TILC.

- These changes will appear, for audit trail Purposes, in program A270.

REQUIRED FIELDS FOR A DELETE TRANSACTION:

- To DELETE (change to blank) a NHA designator, enter the word DELETE in the NHA designator field. Press ENTER, if the record is changed, a message will be displayed at the bottom of the screen stating, "TMSM CHANGED".
- To DELETE a segment you must enter the following required fields:
 TRANSACTION - D. Limited to OC-ALC/TILC.
 PASSWORD - Valid password.
 ENGINE ID and WUC or TMSM.
- The D option will delete tables CE101RSB and CE101RSC only if the CII has been deleted and the CII can be deleted only if there are no serial number records. Refer to the special delete transaction (X option) to delete TMSM/Engine ID and WUC without deleting all serial numbers with the same CII. Limited to OC-ALC/TILC.

SPECIAL DELETE TRANSACTION:

To DELETE a TMSM and its Engine ID/WUC where other TMSM are currently using the same CII, use option "X". Like the option "D", "X" will delete tables CE101RSB and CE101RSC. Note the "D" option will delete these tables only if the CII has been deleted. The "X" option allows the TMSM to be deleted without deleting all S/Ns with the same CII. This would be the case where there are more than one TMSM with the same CII and one TMSM is no longer needed. Be sure there are no S/Ns loaded in CEMS for the TMSM to be deleted. Transaction limited to OC-ALC/TILC.

ERROR MESSAGES:

An ACTIVITY ACCEPTED or ACTIVITY REJECTED message will be displayed at the bottom of the screen.

- INVALID TRANSACTION CODE.
- UNIT COST MUST BE NUMERIC.
- TRANSFER TIME MUST BE NUMERIC.
- MAX TIME MUST BE NUMERIC.
- INVALID TYPE ENGINE CODE.
- PRIME-AUX CODE MUST BE ONE OR TWO.
- PRIME ALC CODE IS NOT VALID.
- WUC DOES NOT MATCH CII.
- CII IS NOT VALID.

- TMSM MUST BE BLANK FOR COMPONENTS.
- ENGINE CII DOES NOT MATCH CII.
- TMSM IS MATCHED TO ANOTHER ID WUC.
- ENGINE ID WUC ALREADY BUILT.
- ENGINE ID WUC NOT FOUND.
- TMSM NOT FOUND.
- CHANGE TMSM WITH DELETE AND ADD.
- INVALID FAMILY GROUP CODE.
- YOU ARE NOT AN AUTHORIZED USER.
- TRANSACTION REJECTED.
- INPUT REJECTED.
- INPUT INVALID.
- DATA BASE PROBLEM. System error. Notify Programmer.
- INVALID NHA CHAIN IN CE103RSG. System error. Notify Programmer.
- BAD LEVEL OR NHA IN CE103RSG. System error. Notify Programmer.
- LEVEL TWO CII IS NOT AN ENGINE. System error. Notify Programmer.
- ENGINE ID WUC BUILT.
- RECORD ADDED. System error. Notify Programmer.
- TMSM NOT MATCHED.
- TMSM BUILT.
- TMSM BUILT EARLIER.
- INVALID PRIME-ALC-CD.
- INVALID TYPE ENGINE CODE.
- TMSM CHANGED.
- RECORD DELETED.
- ENGINE ID WUC DELETED.
- TMSM IS DELETED.
- REQUESTED DATA.
- CANNOT DELETE.

Sample Format A315

A316 - ERROR RETURN CODE TABLE •CDB only, except for inquiry function

PURPOSE: This IMS program updates the error code table. The data is entered by the appropriate transaction code as required. This job edits input data elements and for the specific transaction code will establish a new error code record, change error code description matching the input error code, or delete the error code record. The output will be a display text and appropriate message(s) for completed processing or transaction reject.

ENTER: /FOR CEOAA316

OPTIONS: I = INQUIRE A = ESTABLISH C = CHANGE D = DELETE

REQUIRED FIELDS FOR INQUIRY:

TRANS - I

ERROR-CODE - Valid error code.

REQUIRED FIELDS TO ESTABLISH:

TRANS - A

PASSWORD - Valid password.

ERROR-CODE - Source and definition, reference T.O. 00-25-254-1

NOUN - Description of error-code.

CORRECTION-LEVEL - Must be "B" for base or "M" for TILC.

REQUIRED FIELDS TO CHANGE: (An existing error return code record)

- First make an inquiry on the record you wish to change.

TRANS - C

PASSWORD - Valid password.

- Either type over or add to the fields you wish to change and depress ENTER.

REQUIRED FIELDS TO DELETE:(An existing error return code record)

- First make an inquiry on the record you wish to delete.

TRANS - D

PASSWORD - Valid password.

ERROR MESSAGES:

An ACTIVITY ACCEPTED or ACTIVITY REJECTED message will be displayed at the bottom of the screen.

- INVALID TRANSACTION CODE.
- ERROR CODE IS REQUIRED.
- ERROR RETURN CODE ALREADY BUILT.
- ERROR CODE NOT FOUND.
- YOU ARE NOT AN AUTHORIZED USER.
- TRANSACTION REJECTED.
- INPUT REJECTED.
- NOUN IS REQUIRED.
- INVALID INPUT.
- CORRECTION LEVEL IS REQUIRED.

INFORMATION MESSAGES:

- ENTRY DELETED.
- ENTRY IS CHANGED.
- ENTRY ADDED.
- REQUESTED DATA.

Sample Format A316

A317 - REASON FOR REMOVAL CODES AND/OR RETURN TO OVERHAUL CODES

- CDB only, except for inquiry function

PURPOSE: This IMS program updates the reason for removal codes and/or return to overhaul codes and displays print text and appropriate message(s) for completed processing or transaction rejection. The program will edit the input data element(s), establish new reason for removal codes, change codes, data element(s), and delete reason for removal codes.

ENTER: /FOR CEOAA317

OPTIONS: A = ESTABLISH I = INQUIRE C = CHANGE D = DELETE

REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:

TRANSACTION - A

PASSWORD - Valid password.

REMOVAL REASON AND/OR RETURN TO OVERHAUL CODE: The reason for removal codes are three position numeric codes, the return to overhaul codes are two position alphanumeric codes left justified.

NOUN

- All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key.

If the record was established, a message will be displayed at the bottom of the screen stating, "ACTIVITY ACCEPTED: NEW RECORD BUILT". If any other message is displayed, see ERROR MESSAGES.

REQUIRED FIELDS to INQUIRE:

TRANS - I

REMOVAL REASON AND/OR RETURN TO OVERHAUL CODES - The segment and its key must have been established prior to this transaction.

- After all the required fields above have been typed in, press the ENTER key. If the requested segment exists, the record will be returned to the screen along with a message stating, "ACTIVITY ACCEPTED: RECORD DISPLAYED". If any other message is displayed, see ERROR MESSAGES.

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

TRANS - C

PASSWORD - Valid password.

The remaining fields are the same as for the establish transaction.

- Before a change can be made to a previously established record, the operator must first make an inquiry on that record. After a successful inquiry has been completed, changes can be made by typing over the existing field(s) which are to be changed. Press ENTER, if changes were made, the screen will be returned with a message stating, "ACTIVITY ACCEPTED: RECORD CHANGED". If any other message is displayed, see ERROR MESSAGES.

REQUIRED FIELDS FOR A DELETE TRANSACTION:

TRANS - D

PASSWORD - Valid password.

The remaining fields are the same as for the INQUIRY transaction.

- In order to make a successful deletion, an inquiry should first be completed on the record to be deleted. After the inquiry screen has been returned, type a "D" in the transaction field and press ENTER. If the record was deleted, the screen will be returned along with a message stating, "ACTIVITY ACCEPTED: RECORD DELETED". If any other is displayed, see ERROR MESSAGES.

ERROR MESSAGES:

- **ACTIVITY REJECTED: UNAUTHORIZED USER.** If this message is displayed, the user is either not authorized to use this transaction or an invalid password was entered.
- **ACTIVITY REJECTED: INVALID TRANSACTION CODE.** If this message is displayed, the transaction that was entered was not valid. Must be A, C, D, or I.
- **ACTIVITY REJECTED: UNABLE TO BUILD NEW RECORD.** If this message is displayed, an establish transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.

- **ACTIVITY REJECTED: RECORD ALREADY EXISTS.** If this message is displayed, an establish transaction was attempted for a record which had been previously established.
- **ACTIVITY REJECTED: UNABLE TO LOCATE RECORD.** If this message is displayed, there was a request made for a record that was not previously established.
- **ACTIVITY REJECTED: UNABLE TO FIND AND CHANGE RECORD.** If this message is displayed, there was a request made to change a record that was not previously established.
- **ACTIVITY REJECTED: RECORD NOT CHANGED.** If this message is displayed, a change transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
- **ACTIVITY REJECTED: UNABLE TO FIND AND DEL RECORD.** If this message is displayed, there was a request made to delete a record that was not previously established.
- **ACTIVITY REJECTED: UNABLE TO DELETE RECORD.** If this message is displayed, a delete transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
- **ACTIVITY REJECTED: NOUN IS REQUIRED**
- **ACTIVITY ACCEPTED: NEW RECORD BUILT.**
- **ACTIVITY ACCEPTED: RECORD CHANGED.**
- **ACTIVITY ACCEPTED: RECORD DELETED.**
- **ACTIVITY ACCEPTED: RECORD DISPLAYED.**

Sample Format A317

A318 - TMSM (CAMS) to TMSM (Non-CAMS) CONVERSION TABLE • CDB only, except for inquiry function

PURPOSE: This IMS program is used for establishing, changing, deleting, or inquiring on the TMSM conversion table.

ENTER: /FOR CEOAA318

OPTIONS: I = INQUIRY A = ESTABLISH C = CHANGE D = DELETE

REQUIRED FIELDS to INQUIRE:

TRANS - I

TMSM - Reference T.O. 00-25-254-1 Table 9-15 Column 2.

REQUIRED FIELDS TO ESTABLISH:

TRANSACTION - A

PASSWORD - Valid password.

TMSM (CAMS)

TMSM (NON- CAMS)

Press ENTER Key - (ADD - PROCESSED SUCCESSFULLY should appear at bottom of screen).

REQUIRED FIELDS TO CHANGE:

TRANSACTION - C

CAMS TMSM

PASSWORD - Valid

• Before a change can be made, the operator must first make an inquiry on that record. After a successful inquiry has been completed, overtype I with C and press ENTER. Changes can be made by typing over the existing field(s) which are to be changed.

REQUIRED FIELDS TO DELETE:

TRANSACTION - D

CAMS TMSM

PASSWORD - Valid

• Before a deletion can be made, the operator must first make an inquiry on that record. After a successful inquiry has been completed, type D in TRANS and press ENTER -A message stating DELETE PROCESSED SUCCESSFULLY should appear at bottom of screen.

ERROR MESSAGES:

An "ACTIVITY ACCEPTED" or "ACTIVITY REJECTED" will be displayed at the bottom of remote PC screen.

- INVALID TRANSACTION.
- SEGMENT ALREADY EXISTS.
- REQUESTED RECORD DOES NOT EXIST.
- TRANSACTION REJECTED - YOU ARE NOT AN AUTHORIZED USER.

Sample Format A318

A319 - OFFICIAL FAILURE RATE TABLE (Establish, Change and Delete PEMOs only)

PURPOSE: This IMS program selects, updates (add, change, or delete) or prints the CE101RSF Official Failure Rate Table. This job will edit input data elements. For the appropriate transaction code this job will establish a new Official Failure Rate Record, modify data elements (except actuarial combination and/or command code), delete a record, inquire a record or print the entire record.

ENTER: /FOR CEOAA319

OPTIONS: I = INQUIRE A = ESTABLISH C = CHANGE D = DELETE P = PRINT

REQUIRED FIELDS to INQUIRE:

TRANS - I

ACTUARIAL COMBINATION

TYPE RATE - O, B, or C (If left blank, will default to C.)

Type Rate O - Overhaul failure rate. Enter overhaul failure rates at the bottom of the screen.

Type Rate B - Base maintenance failure rate. Enter overhaul failure rates at the bottom of the screen.

Type Rate C - Combined failure rate. Enter overhaul failure rates at the bottom of the screen.

FAILURE RATES (beginning with age interval) - if left blank will assume zero.

- More than one inquiry transaction will be required to review a complete segment (max 450 rates, three type rates).

REQUIRED FIELDS to ESTABLISH:

TRANS - A

PASSWORD

TYPE RATE - "O", "B", "C"

- If more than one type rate is required, only the first one selected may be entered with an "A"(establish) transaction. Complete the processing of that establish transaction by pressing the "ENTER" key. After this transaction has been successfully processed, select the next type of rate required and change TRANS to "C".

- If the type rate field is "C"(when using either an establish or change transaction) then the "PROJECT BM and OH from COMB" field set equal to "Y" may be used. When this combination of fields is selected, the overhaul and base maintenance failure rates are automatically computed for the user using JEIM Return Rate; otherwise, each type rate must be entered individually by the user.

- After a minimum of two failure rates has been entered, a "P" may be entered in the next rate field (left justified). Press "ENTER" and all subsequent failure rates will be computed by adding the delta difference to the remaining rates.

ACTUARIAL COMBINATION - a 16 position alphanumeric field. This entry must be previously established in the master grouping table (reference job A312).

COMMAND - a three position alpha field.

MAXIMUM TIME - a seven position numeric field. The max time must be an even multiple of the size-of-age-interval. (Max time may be equal to zero.)

SIZE OF AGE INTERVAL - a four position numeric field.

NUMBER INTERVALS - a three position numeric field. The value of this field may not exceed 450.

BASE PERIOD - two three position numeric field. The values entered must be in QYY - QYY format, where Q is the quarter number and YY is year.

DEPENDABILITY INDEX - a three position numeric field with two position assumed decimal place (0.00 to 9.99).

JEIM RETURN RATE - a four position numeric field with a three position assumed decimal place (0.000 to 1.000).

PRIME ALC CODE - a one position alpha code (A-OC-ALC, B-SA-ALC).

NUMBER OF QUARTERS - a two position numeric field. The value of this field may vary from 00 to 12. This value indicates to the actuarial failure rate report jobs (reference jobs G112, G122, and G132) how many quarters of data are to be combined to produce the failure rate reports. If the value is equal to zero, no failure rate report will be produced.

PROJECT BM AND OH FROM COMB - is a one position alpha field that must be either "Y" or "blank".

FAILURE RATE BEGINNING WITH AGE INTERVAL - a five position alphanumeric field. If this field is left blank, it will assume zero. This represents the beginning hours of the age interval range.

RATES - Maximum of 150 per screen and 450 rates per official failure rate record.

- Normally a maximum of 150 failure rates can be established with an A transaction if you choose to enter the failure rates one at a time, otherwise, a delta type projection may be used to enter up to 450 rates (refer to above note). After the failure rates (max 150) are entered and more may be required, press the ENTER key. After this transaction has been successfully processed, a message, "SEGMENT SUCCESSFULLY INSERTED", will be displayed at the bottom of the screen. The screen will be returned with the data fields filled with the previously entered data. The user will proceed to enter the remaining failure rates as follows:

- TYPE TRANS - C.

- FAILURE RATES BEGINNING WITH AGE INTERVAL - enter the next sequential age interval.

- RATES - enter the remaining failure rates (max 150).

- If necessary, repeat the proceeding steps to enter a maximum of 450 failure rates.

REQUIRED FIELDS to CHANGE:

TRANS - C

ACTUARIAL COMBINATION.

PASSWORD - (Valid)

FAILURE RATES - beginning with age interval.

- An inquiry transaction is recommended prior to making a change to an existing record within the OFR table. After an inquiry screen is returned, any field may be changed except the key fields (i.e. actuarial combination and command abbreviation). Once the fields have been changed, depress the ENTER key. If the change transaction was accepted, the message SEGMENT SUCCESSFULLY REPLACED will be displayed at the bottom of the screen.

REQUIRED FIELDS to DELETE:

TRANS - D

ACTUARIAL COMBINATION

PASSWORD - (Valid)

- An inquiry transaction is recommended prior to deleting an existing record within the OFR table. After the inquiry screen is returned, change the transaction type to "D" enter password; then depress the "ENTER" key. The message, "SEGMENT SUCCESSFULLY DELETED" will appear at the bottom of the screen if the transaction was accepted, otherwise, a error message will be displayed.

REQUIRED FIELDS to PRINT:

TRANS - P

ACTUARIAL COMBINATION

COMMAND ABBREVIATION

- The print option will display the values of all three types of rates (base maintenance, overhaul, and combined) for a particular actuarial combination and command abbreviation. If this option is used and all three type rates have not been entered or the sum of the base maintenance and overhaul rates does not equal the combined rate, a message "ERR**" will be displayed in the age interval column. To obtain a printed copy of the screen image, press the "PRINT" key on PC keyboard. Multiple screens may be scrolled (and printed if desired) by pressing the "PA1" key and the "PRINT" key (if desired). After the last page of data has been displayed, press the "PA1" key to obtain a new blank input screen.

ERROR MESSAGES:

- SEGMENT NOT FOUND - INVALID ACT COMB AND/OR COMMAND ABBREV.
- INVALID ACTUARIAL COMBINATION - NOT IN CE101RSE TABLE.
- TYPE TRANS MUST BE ENTERED FOR PROCESSING TO CONTINUE.
- HIGHLIGHTED FIELDS ARE IN ERROR.
- *** MEANS FIELD WAS BLANK AND NEEDS TO BE FILLED IN.

- UNAUTHORIZED USER. Add, change, and delete transaction require a password.
- BEG INTERVAL INVALID - NOT MULTIPLE OF SIZE AGE INT.
- INSUFFICIENT DATA TO EXTRAPOLATE RATES. A minimum of two rates are required before rates can be projected.
- SEGMENT ALREADY EXISTS - USE C IN TRANS-TYPE TO MAKE ADDITIONAL CHANGES.
- DLI ERROR - (STATUS CODE, DLI FUNCTION, SEGMENT NAME, SSA). Print a screen image of the DLI error message and contact OC-ALC/TILC mission OPR for assistance.

INFORMATION MESSAGES:

- MORE DATA TO FOLLOW - HIT PA1 TO CONTINUE.
- END OF DATA (After successful I transaction).
- END OF DATA - HIT PA1 FOR NEW INPUT SCREEN (Applicable to print option).
- SEGMENT SUCCESSFULLY INSERTED.
- SEGMENT SUCCESSFULLY REPLACED.
- SEGMENT SUCCESSFULLY DELETED.

Sample Format A319

A320 - IMS TERMINAL ACCESS TABLE • CDB only, except for inquiry and list functions

PURPOSE: This IMS program will update the IMS Terminal Access Table Maintenance and display and/or print text and appropriate message(s) for completed processing, or transaction reject. The program will establish a new terminal ID record (and insert in history), change data elements, delete terminal ID (and insert in history), list terminal IDs, and perform inquiry.

ENTER: /FOR CEOAA320

OPTIONS: A = ADD I = INQUIRY C = CHANGE D = DELETE L = LIST

REQUIRED FIELDS FOR AN INQUIRY TRANSACTION:

TRANSACTION - Must be I

TERMINAL ID - Valid.

- After the required fields above, have been typed in, press ENTER key. If the terminal ID that was entered is valid and the requested segment exists, the record will be returned to the screen. If there were any problems, an ERROR MESSAGE will be displayed at the bottom of the screen. See ERROR MESSAGES.

- When trying to change a record with an invalid SRAN, the appropriate invalid SRAN will be revealed. This SRAN must be deleted in order for the change to be successfully completed.

REQUIRED FIELDS FOR A LIST TRANSACTION:

TRANSACTION - Must be L

- After inserting "L" in TRANS press ENTER and wait. Another screen will appear. Follow instructions on screen to locate an individual's terminal id. The data is maintained in alphabetical order by last name. When you locate terminal/operator name that you wish to obtain more info, insert an "I" in TRANS and press ENTER. The information will then be shown in regular program A320 fashion when a user does an "I" transaction using a known terminal id.

REQUIRED FIELDS FOR AN ADD TRANSACTION:

TRANS - A

PASSWORD - Valid password.

TERMINAL ID - Must not include any blanks.

LOCATION - Base location.

TERMINAL OPR NAME

DSN

TERMINAL OPR ORGANIZATION

TELEPHONE

CLASS - As determined by OC ALC/TILC

PRINTER ID - This is TSO printer ID

AUTHORIZED SRANs: (Example: 2029, 5270, All*)

- All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was added, a message will be displayed at the bottom of the screen stating, ENTRY ADDED. USE JOB A270 TRANS - HT TO VIEW TERMINAL HISTORY. For a complete listing of adds (since 91259 date), use BROWSE function of TSO, miscellaneous products. If any other messages are displayed, see ERROR MESSAGES

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

TRANSACTION - C

PASSWORD - Valid password.

The remaining fields are the same as for the ADD transaction.

- Before a change can be made to a previously added record, the operator must first make an INQUIRY on that record. After a successful INQUIRY has been completed, changes can be made by typing over the existing field(s) which are to be changed. Press ENTER, if changes were made, a message will appear at the bottom of the screen stating, "ENTRY IS CHANGED". If any other messages are displayed see ERROR MESSAGES.

- When trying to change a record with an invalid SRAN the appropriate invalid SRAN will be revealed. This SRAN must be deleted in order for the change to be successfully completed.

REQUIRED FIELDS FOR A DELETE TRANSACTION:

TRANSACTION - Must be D.

PASSWORD - Valid password

The remaining fields are the same as for the INQUIRY transaction.

- In order to make a successful deletion, an inquiry should be completed on the record to be deleted. After the inquiry screen has been returned, type a "D" in TRANS and press ENTER. If the record was deleted a message will be displayed at the bottom of the screen stating: "ENTRY DELETED. USE JOB A270 TRANS - HT TO VIEW TERMINAL HISTORY". For a complete listing of deletes, use BROWSE option of TSO, miscellaneous products. If any other message is displayed, see ERROR MESSAGES.

ERROR MESSAGES:

- INVALID INPUT - IMS TERMINAL NOT FOUND.
- INVALID INPUT - IMS TERMINAL TABLE NOT BUILT.
- INPUT REJECTED - INVALID TRANSACTION CODE.

Sample Format A320

A321 - UNIT DATA TABLE MAINTENANCE • CDB use only except for inquiry function.

PURPOSE: This IMS program will update the IMS Unit Data Table Maintenance and displays print text and appropriate message(s) for completed processing, or transaction reject. This program will establish a new unit data record, change data elements, delete a unit data record and inquire.

ENTER: /FOR CEOAA321

OPTIONS: I = INQUIRY A = ADD C = CHANGE D = DELETE

REQUIRED FIELDS FOR AN INQUIRY TRANSACTION:

TRANS - I
SRAN - Valid
UNIT ID

•After the required fields above, have been typed in, press ENTER key. If the SRAN and unit ID that were entered are valid and the requested segment exists, the record will be returned to the screen. If there were any problems, an ERROR MESSAGE will be displayed at the bottom of the screen.

REQUIRED FIELDS FOR AN ADD TRANSACTION:

TRANS - A
PASSWORD - Valid password.
SRAN - Must not be blank.
UNIT ID - Must not be blank.
UNIT CONTACT
DSN
UNIT OFFICE SYMBOL

•All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was added, a message will be displayed at the bottom of the screen stating, "DATA ADDED". If any other messages are displayed, see ERROR MESSAGES.

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

TRANS - C
PASSWORD - Valid password.
SRAN
UNIT ID

•Before a change can be made to a previously added record, the operator must first make an INQUIRY on that record. (Follow same steps as INQUIRY transaction above). After a successful INQUIRY has been completed, changes can be made by typing over the existing field(s), which are to be changed. Type a "C" in TRANS and press ENTER, if changes were made, a message will appear at the bottom of the screen stating, "ENTRY IS CHANGED". If any other messages are displayed see ERROR MESSAGES.

REQUIRED FIELDS FOR A DELETE TRANSACTION:

TRANS - D
PASSWORD - Valid password
SRAN
UNIT ID

•In order to make a successful deletion, an inquiry should be completed on the record to be deleted. After the inquiry screen has been returned, type a "D" in TRANS and press ENTER. If the record was deleted, a message will be displayed at the bottom of the screen stating, "ENTRY DELETED". If any other message is displayed, see ERROR MESSAGES.

ERROR MESSAGES:

- INVALID INPUT - SRAN IS NOT ON CE100RSG.
- INVALID INPUT - SRAN NOT FOUND.
- INPUT REJECTED - INVALID TRANSACTION CODE.
- INVALID INPUT - UNIT ID NOT FOUND.
- YOU ARE NOT AN AUTHORIZED USER.

Sample Format A321

A322 - CATEGORY OF AGING TABLE • CDB only, except for inquiry function

PURPOSE: This IMS program will update the Category of Aging Table. This table maintains inspection and warranty authorized TLCCs by CII and will establish a new category of aging, change data elements, delete record, and inquire.

ENTER: /FOR CEOAA322

OPTIONS: I = INQUIRY A = ADD C = CHANGE D = DELETE

REQUIRED FIELDS FOR AN INQUIRY TRANSACTION:

TRANS - I

CII

TLCC - Must be established.

• After the required fields above, have been typed in, press ENTER key. If the terminal ID that was entered is valid and the requested segment exists, the record will be returned to the screen. If there were any problems, an ERROR MESSAGE will be displayed at the bottom of the screen.

REQUIRED FIELDS FOR AN ADD TRANSACTION:

TRANS - A

PASSWORD - Valid password.

CII - Must not be blank.

TLCC - Must not be blank.

CATEGORY NOUN - Must not be blank.

TYPE CATEGORY - I for inspection or W for warranty.

TYPE NOUN - Type category (15 positions).

• All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was added, a message will be displayed at the bottom of the screen stating, "DATA ADDED". If any other messages are displayed, see ERROR MESSAGES.

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

TRANS - C

PASSWORD - Valid password.

• Enter the value of the data element requiring the change in the particular data element field. Depress ENTER. If the specific change was made, the screen will be returned with a message stating, "ENTRY IS CHANGED". If any other message is displayed, see ERROR MESSAGES.

REQUIRED FIELDS FOR A DELETE TRANSACTION:

TRANS - D

PASSWORD - Valid password.

• The remaining fields are the same as for the INQUIRY transaction.

• In order to make a successful deletion, an inquiry should be completed on the record to be deleted. After the inquiry screen has been returned, type a "D" in TRANS and press ENTER. If the record was deleted a message will be displayed at the bottom of the screen stating, "ENTRY DELETED". If any other message is displayed, see ERROR MESSAGES.

ERROR MESSAGES:

• **TRANSACTION REJECTED - YOU ARE NOT AN AUTHORIZED USER.** If this message is displayed, the user is either not authorized to use this transaction or an invalid password is entered.

• **INPUT REJECTED - INVALID TRANSACTION CODE.** If this message is displayed, the transaction that was entered was not valid, must be A, C, D, or I.

• **INVALID INPUT - CATEGORY NOT FOUND.** If this message is displayed, there was a request made for a record that was not previously established.

• **INVALID INPUT - CATEGORY IS ALREADY LOADED.** If this message is displayed, an establish transaction was attempted for a record already on the database. User may want to use a change transaction for this record.

Sample Format A322

A325 - CEMS AUTHORIZATION TABLE • CDB use only

PURPOSE: This IMS program will provide update capability via password for all CEMS IMS table programs. This job will be strictly controlled by OC-ALC/TILC. Special utility functions may be added to this program to restrict updating by user id and by function.

ENTER: /FOR CEOAA325

OPTIONS: A = ADD D = DELETE V = VERIFY P = PROGRAM U = USER

REQUIRED FIELDS FOR AN ADD TRANSACTION:

TRANSACTION - A
PASSWORD - Valid password.
PROGRAM - Must not be blank, i.e., CEMUA301.
USER - Must not be blank.
PASSWORD - Must not be blank.
FUNC (Function) - Must not be blank.

REQUIRED FIELDS FOR A DELETE TRANSACTION:

TRANSACTION - D
PASSWORD - Valid password.
PROGRAM - Must not be blank, i.e., CEMUA301.
USER - Must not be blank.
PASSWORD - Must not be blank.
FUNC (Function) - Must not be blank.

REQUIRED FIELDS FOR A USER TRANSACTION:

TRANSACTION - U
PASSWORD - Not Required.
PROGRAM - Not Required.
USER - Must not be blank.
PASSWORD - Not Required.
FUNC (Function) - Not Required.

REQUIRED FIELDS FOR A VERIFY TRANSACTION:

TRANSACTION - V
PASSWORD - Required.
PROGRAM - Must not be blank.
USER - Must not be blank.
PASSWORD - Must not be blank.
FUNC (Function) - Must not be blank.

REQUIRED FIELDS FOR A PROGRAM TRANSACTION:

TRANSACTION - P
PASSWORD - Not Required.
PROGRAM - Must not be blank.
USER - Not Required.
PASSWORD - Not Required.
FUNC (Function) - Not Required.

ERROR MESSAGES:

•TRANSACTION REJECTED - YOU ARE NOT AN AUTHORIZED USER. If this message is displayed, the user is either not authorized to use this transaction or an invalid password is entered.

A326 - TMSM TO TMSM TABLE

PURPOSE: This IMS program provides the capability to build/maintain a TMSM-TO-TMSM RELATIONSHIP TABLE AND a TYPE-MODEL/ENGINE-ID table. These tables are used by batch and TP file maintenance programs for installed-on edits.

SECURITY: This is a password-protected program for update functions.

PCN: CED042.MUA326.A1SA

ENTER: /FOR CEOAA326

OPTIONS: The following input functions are available to update the CE108RSG SEGMENT:

A = ADD RECORDS
 C = CHANGE RECORDS
 D = DELETE RECORDS
 I = INQUIRE RECORDS
 V = BROWSE RECORDS
 S = SWAP TO PARTS TRACKED SCREEN

REQUIRED INPUT:(FOR OPTIONS A, C, D)

VALID OPTION
 VALID PASSWORD
 NHA - TMSM
 NLA - TMSM

(FOR OPTION I)

NHA - TMSM
 NLA - TMSM

(OPTION S, V)

No required input, press ENTER

THE FOLLOWING FUNCTIONS ARE AVAILABLE TO UPDATE THE CE101RSV SEGMENT:

A = ADD NEW TYPE-MODEL RECORD
 C = CHANGE APPLICABLE ENGINE-ID
 D = DELETE TYPE-MODEL RECORD
 I = INQUIRE SPECIFIC TYPE-MODEL
 V = BROWSE RECORD. ENTER SPECIFIC TYPE-MODEL OR SPACES
 S = SWAP TO TMSM SCREEN

REQUIRED INPUT:

OPTION I
 TYPE-Model

OPTION A, C, D
 VALID PASSWORD
 TYPE-Model
 ENGINE-ID

OPTION V
 TYPE-Model or Spaces

OPTION S
 Press ENTER

ERROR MESSAGES:

“_____” NOT AUTHORIZED FOR FUNC (“_____” is your terminal-ID)
 ENGINE-ID OF “_____” NOT FOUND IN CE103140
 ENGINE-ID NOT VALID FOR THIS TYPE-MODEL

INPUT TYPE-MODEL IS INVALID
INVALID FUNC NOT - "A", "C", "D", "I", OR "V"
NLA-TMSM NOT FOUND VERIFY INPUT
NHA-TMSM NOT FOUND VERIFY INPUT
REQUESTED DATA NOT FOUND CHECK INPUT
REQUESTED SEGMENT NOT FOUND
TYPE-MODEL IS NOT PART OF ANY KNOWN CII
THIS RECORD ALREADY EXISTS
THIS RECORD DOES NOT EXIST

Sample Format A326-1

Sample Format A326-2 (View Option)

Sample Format A326-3 (Inquiry Option)

A327 - LOGICAL SEQUENCE TO PIPELINE CODE TABLE • CDB only except for inquiry

PURPOSE: This IMS program establishes logical sequence transactions for CEDO42D Propulsion Unit Pipeline Time Analysis Program.

ENTER: /FOR CEOAA327

OPTIONS: A = ESTABLISH C = CHANGE D = DELETE I = INQUIRE S = SCROLL

REQUIRED FIELDS FOR AN INQUIRY TRANSACTION:

TRANSACTION - I

TRIGGER TRANSACTION CONDITION CODE: Valid

BEGINNING TRANSACTION CONDITION CODE: Valid

NEXT TRANSACTION CONDITION CODE: Valid.

REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:

TRANSACTION - A

PASSWORD - Valid Password.

TRIGGER TRANSACTION CONDITION CODE - Valid.

BEGINNING TRANSACTION CONDITION CODE - Valid.

NEXT TRANSACTION CONDITION CODE - Valid.

PIPELINE CODE - Valid

•All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was established, a message will be displayed at the bottom of the screen stating, "ACTIVITY ACCEPTED: NEW RECORD BUILT".

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

TRANSACTION - C

PASSWORD - Valid password.

•The remaining fields are the same as for the ESTABLISH transaction. Before a change can be made to a previously established record, the operator must first make an INQUIRY on that record. (Follow same steps as INQUIRY transaction, above). After a successful inquiry has been completed, changes can be made by typing a "C" in the transaction field and typing over the existing field(s) which are to be changed. Press ENTER, if changes were made, the screen will be returned with a message stating, "ACTIVITY ACCEPTED: RECORD CHANGED".

REQUIRED FIELDS FOR A DELETE TRANSACTION:

TRANSACTION - D

PASSWORD - Valid password.

•The remaining fields are the same as for the INQUIRY transaction. In order to make a successful deletion, an INQUIRY should first be completed on the record to be deleted. After the inquiry screen has been returned, type a "D" in the transaction field and press ENTER. If the record was deleted, the screen will be returned along with a message stating, "ACTIVITY ACCEPTED: RECORD DELETED".

REQUIRED FIELDS FOR A SCROLL TRANSACTION:

TRANSACTION - S (This key scans each record.)

Sample Format A327

A328 - PIPELINE CODE UPDATE • CDB only except for inquiry functions.

PURPOSE: This IMS program establishes Pipeline Codes for CEDO42D Propulsion Unit Pipeline Time Analysis Program.

ENTER: /FOR CEOAA328

OPTIONS: A = ESTABLISH I = INQUIRY C = CHANGE D = DELETE

REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:

TRANS - A

PASSWORD - Valid Password.

PIPELINE CODE - Valid.

TITLE - Valid.

• All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was established, a message will be displayed at the bottom of the screen stating, "ACTIVITY ACCEPTED: NEW RECORD BUILT".

REQUIRED FIELDS FOR AN INQUIRY TRANSACTION:

TRANS - I

PIPELINE CODE - Valid. The segment and its key must have been established prior to the transaction.

• After the required fields above have been typed in, press the ENTER key. If the requested segment exists, the record will be returned to the screen with a message stating, "ACTIVITY ACCEPTED: RECORD DISPLAYED".

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

TRANS - C

PASSWORD - Valid password.

• The remaining fields are the same as for the ESTABLISH transaction. Before a change can be made to a previously established record, an INQUIRY must first be made on that record. (Follow same steps as INQUIRY transaction, above). After a successful inquiry has been completed, change the transaction code to "C" and type over the existing field(s), which are to be changed. Press ENTER, if changes were made, the screen will be returned with a message stating, "ACTIVITY ACCEPTED: RECORD CHANGED".

REQUIRED FIELDS FOR A DELETE TRANSACTION:

TRANS - Must be D.

PASSWORD - Valid password.

• The remaining fields are the same for the INQUIRY transaction. In order to make a successful deletion, an INQUIRY should first be made on the record to be deleted. After the inquiry screen has been returned, type a "D" in the transaction field and press ENTER. If the record was deleted, the screen will be returned with a message stating, "ACTIVITY ACCEPTED: RECORD DELETED".

CODES AND DEFINITIONS:

• A - BASE REPAIR CYCLE

A1 - Base Workload Processing Complete

A1A - Remove to Start Work

A1B - Receipt to Start Work

A1C - Change in Maintenance to Start Work

A1D - Gain to Start Work

A1E - Other Base Repair Actions

A1F - Awaiting Disposition

A2 - Base Repair Segment Complete

A2A - Inwork Complete

A2B - Awaiting Maintenance Complete

A2C - ENMCS Complete

• B - QUEEN BEE RETROGRADE CYCLE

B1 - Remove/Inspect/Process to Ship (RIPS)
 B1A - Remove to Ship
 B1B - Receipt to Ship
 B1C - Change in Maintenance to Ship
 B1D - Gain to Ship
 B1E - Awaiting Disposition to Ship
 B1F - Awaiting Maintenance to Ship
 B2 - Retrograde Transportation - Base to Base/Queen Bee
 B2A - Conus to Conus
 B2B - Intheater (1-1, 2-2, 3-3, 4-4)
 B2C - Overseas (Areas 1 and 2) to Conus
 B2D - Overseas (Area 3) to Conus
 B2E - Overseas (Area 4) to Conus
 B3 - Base Repair Segment Incomplete
 B3A - Inwork Incomplete
 B3B - Awaiting Maintenance Incomplete
 B3C - ENMCS Incomplete
• C - QUEEN BEE RESUPPLY CYCLE
 C1 - Base Notice to Ship - Base to Queen Bee
 C2 - Remove/Inspect/Process to Ship (RIPS)
 C2A - Conus to Conus
 C2B - Intheater (1-1, 2-2, 3-3, 4-4)
 C2C - Conus to Overseas (Areas 1 and 2)
 C2D - Conus to Overseas (Area 3)
 C2E - Conus to Overseas (Area 4)
• D - DEPOT RETROGRADE CYCLE
 D1 - Base Workload Processing Incomplete
 D1A - Remove to Start Work
 D1B - Receipt to Start Work
 D1C - Change in Maintenance to Start Work
 D1D - Gain to Start Work
 D1E - Other Base Repair Action
 D1F - Awaiting Disposition
 D2 - Base Repair Segment Incomplete
 D2A - Inwork Incomplete
 D2B - Awaiting Maintenance Incomplete
 D2C - ENMCS Incomplete
 D3 - Awaiting Depot Retrograde Processing
 D3A - Awaiting Disposition
 D3B - Awaiting Other Depot Repairable Actions
 D4 - Remove/Inspect/Process to Ship Base to Depot
 D4A - Remove to Ship
 D4B - Change Maintenance to Ship
 D4C - Receipt to Ship
 D4D - Gain to Ship
 D4E - Awaiting Disposition to Ship
 D5 - Retrograde Transportation - Base to Depot
 D5A - Conus to Conus
 D5B - Intheater (1-1, 2-2, 3-3, 4-4)
 D5C - Overseas (Areas 1 and 2) to Conus
 D5D - Overseas (Area 3) to Conus
 D5E - Overseas (Area 4) to Conus
• E - DEPOT REPAIR CYCLE
 E1 - Depot Repairable Supply
 E1A - Receipt to Workload Processing
 E1B - Gain to Workload Processing
 E2 - Depot Repair Segment - Major Overhaul
 E2A - Workload Processing - Major Overhaul

E2B - Major Overhaul Complete
E2B1 - Inwork Complete
E2B2 - Awaiting Maintenance Complete
E2B3 - ENMCS
E2C - Major Overhaul TDR/ACI
E2C1 - Inwork TDR/ACI
E2C2 - Awaiting Maintenance TDR/ACI
E2C3 - ENMCS TDR/ACI
E2D - Awaiting Disposition - Major Overhaul
E3 - Depot Repair Segment - Minor Overhaul
E3A - Workload Processing - Minor Overhaul
E3B - Minor Overhaul Complete
E3B1 - Inwork Complete
E3B2 - Awaiting Maintenance Complete
E3B3 - ENMCS
E3C - Minor Overhaul TDR/ACI
E3C1 - Inwork TDR/ACI
E3C2 - Awaiting Maintenance TDR/ACI
E3C3 - ENMCS
E3D - Awaiting Disposition - Minor Overhaul
E4 - Depot Repair Segment -Intermediate Maintenance
E4A - Workload Processing - JEIM
E4B - Depot JEIM Maintenance
E4B1 - Inwork JEIM
E4B2 - Awaiting Maintenance JEIM
E4B3 - ENMCS JEIM
E4C - Awaiting Disposition Depot JEIM
• **F - DEPOT SERVICEABLE STOCK**
F1 - Serviceable Awaiting Utilization
F1A - Serviceable to Awaiting Disposition
F1B - Serviceable to Shipment
F1C - Serviceable to Install
F1D - Serviceable to Start Work
F1E - Serviceable to Change Maintenance
F1F - Serviceable to Other
F2 - Depot Serviceable Maintenance
F2A - Serviceable Workload Processing
F2B - Inwork
F2C - Awaiting Maintenance
F2D - ENMCS
F3 - Awaiting Disposition Depot Serviceable
F3A - Awaiting Disposition - Ship
F3B - Awaiting Disposition - Install
F3C - Awaiting Disposition - Return to Work
F3D - Awaiting Disposition - Change Maintenance
F3E - Awaiting Disposition - Workload Processing
• **G - DEPOT RESUPPLY CYCLE**
G1 - Base Notice to Ship - Base to Depot
G2 - Resupply Transportation - Depot to Base
G2A - Conus to Conus
G2B - Intheater (1-1, 2-2, 3-3, 4-4)
G2C - Conus to Overseas (Areas 1 and 2)
G2D - Conus to Overseas (Area 3)
G2E - Conus to Overseas (Area 4)
G3 - Serviceable Raw Workload Processing
G3A - Raw to Start Work
G3B - Raw to Ship
G3C - Raw to Change in Maintenance

G3D - Raw to Other
G4 - Build Up Maintenance
G4A - Build Up Maintenance Complete
G4A1 - Inwork Complete
G4A2 - Awaiting Maintenance Complete
G4A3 - ENMCS Complete
G4B - Build Up Maintenance Repair
G4B1 - Inwork
G4B2 - Awaiting Maintenance
G4B3 - ENMCS
G5 - Raw Awaiting Disposition
G5A - Awaiting Disposition - Return to Work
G5B - Awaiting Disposition - Change Maintenance
G5C - Awaiting Disposition - Ship
•H - SERVICEABLE BUILT UP STOCK
H1 - Serviceable Built Up Stock
H1A - Built Up to Install
H1B - Built Up to Start Work
H1C - Built Up to Change Maintenance
H1D - Built Up to Ship
H1E - Built Up to Other
H2 - Base Serviceable Maintenance
H2A - Inwork
H2B - Awaiting Maintenance
H2C - ENMCS
H3 - Awaiting Disposition Serviceable Built Up
H3A - Awaiting Disposition - Return to Work
H3B - Awaiting Disposition - Change Maintenance
H3C - Awaiting Disposition - Ship
H3D - Awaiting Disposition - Install

Sample Format A328

A329 - PIPELINE STANDARDS TABLE •PEMO only except for inquiry.

PURPOSE: This IMS program lists standard maintenance pipeline times for each Type/Model/Series/Modification (TSM) for CEDO42D Propulsion Unit Pipeline Time Analysis Program. A TSO Answer2 for pipeline standards may be run to obtain listing of every standard.

ENTER: /FOR CEOAA329

OPTIONS: I = INQUIRE S = SCROLL A = ADD RECORDS C = CHANGE RECORDS D = DELETE RECORDS

REQUIRED FIELDS to INQUIRE:

TRANS - I

TSM - Valid TSM

PIPELINE CODE - Valid Pipeline Code (See T.O. 00-25-254-2 Program A328)

REQUIRED FIELDS to SCROLL:

TRANS - S

TSM - Valid TSM

PIPELINE CODE - Valid Pipeline Code

REQUIRED FIELDS FOR AN ADD TRANSACTION:

TRANSACTION - A

TSM - Valid TSM

PIPELINE CODE - Valid Code

• If the record was established, a message will be displayed at the bottom of the screen stating, "ACTIVITY ACCEPTED: NEW RECORD BUILT".

REQUIRED FIELDS FOR A CHANGE TRANSACTION:

TRANSACTION - C

PASSWORD - Valid password.

The remaining fields are the same as for the ADD transaction.

• Before a change can be made to a previously established record, the operator must first make an INQUIRY on that record. After a successful inquiry has been completed, changes can be made by typing a "C" in TRANS and typing over the existing field(s), which are to be changed. Press ENTER, if changes were made, the screen will be returned with a message stating, "ACTIVITY ACCEPTED: RECORD CHANGED".

REQUIRED FIELDS FOR A DELETE TRANSACTION:

TRANSACTION - D

PASSWORD - Valid password.

The remaining fields are the same as for the INQUIRY transaction.

• In order to make a successful deletion, an INQUIRY should first be completed on the record to be deleted. After the inquiry screen has been returned, type a "D" in the transaction field and press ENTER. If the record was deleted, the screen will be returned along with a message stating, "ACTIVITY ACCEPTED: RECORD DELETED".

Sample Format A329

A331 - LCN/CII CROSS REFERENCE TABLE.

PURPOSE: This IMS program is used to display and maintain a cross-reference F119 LCN to CII's table. It also includes part position and noun.

ENTER: /FOR CEOAA331

REQUIRED FIELDS:

TRANS - I = INQUIRY, A = ADD, C = CHANGE, D = DELETE, L = LIST

CII or LCN, not required for "L" option

PASSWORD - Required to update the table, not required for transactions "I" or "L" options.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII

LCN

Part position

Position noun

Sample Format A331-1

Sample Format A331-2

A333 - F119 INTERCHANGEABLE CII TABLE

PURPOSE: This IMS program is used to display and maintain an interchangeable F119 CII's table.

ENTER: /FOR CEOAA333

REQUIRED FIELDS:

TRANS - I = INQUIRY, A = ADD, C = CHANGE, D = DELETE, L = LIST

CII, engine CII required for "L" option.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII - Interchangeable CII(s), if any.

Sample Format A331-1

Sample Format A331-2

A400 - ESTABLISH AND/OR MAINTAIN PART NUMBER MENU • Function E, C, D, F and M PEMOs only

PURPOSE: This IMS program edits input data elements, selects, establishes, changes, inquires on, and deletes P/N records or elements.

SAMPLE	TITLE	PCN
A400-1	ESTABLISH AND/OR MAINTAIN PART NUMBER MENU	CEDO42.MUA400.A1SA
A400-2	CHANGE PART NUMBER	CEDO42.MUA400.A2SA
A400-3	ESTABLISH PART NUMBER	CEDO42.MUA400.A3SA
A400-4	INQUIRE PART NUMBER	CEDO42.MUA400.A4SA
A400-5	MODIFY PART NUMBER DATA	CEDO42.MUA400.A5SA
A400-6	FLEET MODIFICATION	CEDO42.MUA400.A6SA
A400-7	PART NUMBER DELETION NOTICE (FAILURE)	CEDO42.BUA410.A10A
A400-8	PART NUMBER DELETION NOTICE	CEDO42.BUA410.A20A

ENTER: /FOR CEOAA400

OPTIONS: I = INQUIRE E = ESTABLISH C = CHANGE P/N D = DELETE F = FLEET UPGRADE BY MDS/PN M = MODIFY X = RETURN PART NUMBER MENU

• You may return to the program menu from any screen by entering X in the function. You may return to the CEMS master menu from any screen by depressing PF1.

REQUIRED FIELDS to INQUIRE:

FUNCT - I.

CII

PART NUMBER - Left justify.

MDS - M - (Mission) three position alphanumeric, right justified prefixed with spaces.

D - (Design) three position alphanumeric, right justified prefixed with zeros.

S - (Series) one position alphanumeric. For exceptions, (i.e. ground support equipment) refer to T.O. 00-25-254-1.

EQUIPMENT SPECIALIST CODE Optional

• Depress ENTER key and a new screen will be displayed containing the current information for this part number. You may change data on this part number by entering M in the function code (see M function code below). To process against another part number, you must enter the appropriate function code, CII, part number and MDS. You will then see the screen corresponding to the function you have selected.

REQUIRED FIELDS to ESTABLISH:

• If a new tracking method and limit is established for a CII and/or part number, data in the CDB may not be valid. The tracking method must be identified in CEMS as an applicable tracking method to ensure validity of data. Program EA03 lists applicable tracking methods. If the new limit does not appear on EA03, call the CEMS Engine Management Branch, OC-ALC/TILC, for assistance.

FUNCTION CODE - E.

CII

PART NUMBER - Left justify.

MDS - (See above)

EQUIPMENT SPECIALIST CODE - Optional

PASSWORD

FSC

K-FACTOR - Six position field with a decimal in the second position.

DATE SET - YYDDD (Julian) system generated.

CATALOG NUMBER - Reference T.O. 00-25-254-1 page 9-25 Table 9-14.

CATEGORY - Category of aging.

LIFE LIMIT - Seven-position numeric field, right justified and preceded with zeros.

DEPOT LIMIT - (Same as life limit above).

ORG LIMIT - (Same as life limit above).
 DESIGN LIMIT - (Same as life limit above).

- Depress ENTER key and a screen entitled “ESTABLISH PART NUMBER” will be displayed. This screen will contain the CII, part number, and MDS for the new part number record. You may then complete the information for the new record on the screen. All fields will be validated before being accepted as permanent. If any errors are detected, an error message will be displayed and the field that is incorrect will be highlighted. A message stating, “NEW PART NUMBER ESTABLISHED” will be displayed upon successful completion of processing. You may inquire or change data on this part number without returning to the program menu by entering the appropriate function code. If you wish to process against another part number, you must enter the new function code, CII, part number and MDS. You will then see the screen corresponding to the function you have selected. When establishing new part number on multiple MDS, the program will retain all associated data from previous input.

REQUIRED FIELDS to CHANGE: (for a serial number)

FUNCTION CODE - C

CII

NEW PART NUMBER - Must already exist on the Part Number Master Record.

MDS - (See above)

EQUIPMENT SPECIALIST CODE - Optional

PASSWORD

- Depress ENTER and a screen entitled “CHANGE PART NUMBER” will be displayed. This screen will allow the part number on the CII and/or serial number master to be changed. Enter the S/N in the appropriate field and press ENTER. An error message will be displayed if the new part number or the CII and/or serial number does not exist on the database. If the processing is successful, a message will be displayed stating, “PART NUMBER CHANGED”. You may process another part number change from this screen, however in order to perform any other function, you must return to the program menu.

- The following errors will be displayed regarding CII/PN compatibility configurations:

Error code “544” CI/NEW PN INST-ON ERROR WITH NLA (NHA) CI/PN

Error code “545” CI/NEW PN INCOMPATIBLE W/CI-PN

Reference CEOAA101 table for compatible CII/PN groups.

REQUIRED FIELDS FOR DELETE PART NUMBER:

FUNCTION CODE - D.

CII

PART NUMBER

MDS - (See above)

EQUIPMENT SPECIALIST CODE - Optional

PASSWORD

- If function “D” is performed, the main program menu will be displayed. An error message will be displayed if the part number does not exist on the database. Otherwise a message will be displayed which states “DELETION SCHEDULED”. The part number will be deleted by a later program, which will send a printed verification of deletion or a printed notification of failure to delete. This program will not delete a part number if that number is linked to a CII and/or S/N in the master record. The CII and/or serial number will appear on the failure notice for further research.

REQUIRED FIELDS FOR FLEET UPGRADE BY MDS AND/OR PART NUMBER:

FUNCTION CODE - F

CII

PART NUMBER or “ALL”

MDS - (See above) or “ALL”

EQUIPMENT SPECIALIST CODE - Optional

PASSWORD

- Depress ENTER key and a screen entitled “FLEET MODIFICATION” will be displayed along with the current data for CII, as well as part number or MDS. Modification can be accomplished for all part numbers with specific MDS or one part number with all corresponding MDSs. If modification is for a specific part number type in correct part number and ALL in MDS field. Only S/Ns with that particular part number will be changed. If all part numbers need to be modified type ALL in part number field and

type in a valid MDS. All part numbers with the same MDS will be changed. ALL may only be entered in the Part number field or MDS field, not both.

REQUIRED FIELDS to MODIFY:

FUNCTION CODE - M

CII

PART NUMBER

MDS - (See above)

EQUIPMENT SPECIALIST CODE

PASSWORD

• Depress ENTER key and a screen entitled, "MODIFY PART NUMBER DATA" will be displayed along with the current data for that CII, part number, and MDS. Any field on the screen except CII, part number and MDS may be changed by typing over the existing data and depress ENTER. All changes will be validated and errors highlighted. Once access to the "MODIFY PART NUMBER DATA" screen has been obtained, any other CII, part number, MDS combination may be called on for modification, without returning to the menu screen or changing the function code: (1) Type over existing KEYS with valid data. (2) Depress ENTER. Once new information is displayed, changes may be performed as above. When establishing new part number on multiple MDS, the program will retain all associated data from previous input.

ERROR MESSAGES:

- INVALID FUNCTION CODE.
- RECORD NOT FOUND, CHECK KEYS.
- ATTEMPTED TO ESTABLISH A PART NUMBER ALREADY IN EXISTENCE.
- ATTEMPTED TO DELETE A PART NUMBER THAT DOES NOT EXIST.
- NEW PART NUMBER AND/OR MDS DOES NOT EXIST.
- COULD NOT FIND CII AND/OR SERIAL NUMBER ON DATABASE.
- PART NUMBER ESTABLISH FAILED. (Call programmer for support).
- MUST ENTER EQUIPMENT SPECIALIST CODE.
- K-FACTOR OR LIMITS MUST BE NUMERIC.
- INVALID INSERT TO MESSAGE-QUEUE.
- GET UNIQUE DATA BASE CALL FAILED.
- ATTEMPT TO SCHEDULE CEBUA410 FAILED.
- ATTEMPT TO DELETE A PART NUMBER FAILED.
- REPLACE CALL FAILED.
- ABEND IN GU TO MESSAGE-QUEUE.
- ABEND IN ISRT TO CE103221.
- CII MUST NOT BE SPACES.
- MDS MUST NOT BE SPACES.
- ABEND IN GU TO CE1010RSJ.
- INVALID DATA FIELDS - SEE ABOVE.
- RETURN TO MENU TO ESTABLISH DELETE.
- MODIFY OR INQUIRE.
- INVALID MDS.
- ABEND IN GU TO CE101RSA.
- INVALID CII.
- MUST ENTER FSC.
- CATALOG NUMBER ERROR.
- TLC ERROR.
- CATEGORY ERROR.
- LIFE LIMIT ERROR.
- DEPOT LIMIT ERROR.
- ORG LIMIT ERROR.
- DESIGN LIMIT ERROR.
- INVALID PASSWORD - RE-ENTER.
- THE ABOVE CHANGES HAVE BEEN MADE TO THE DATABASE.
- THE ABOVE TRANSACTION HAS BEEN SCHEDULED TO BE DELETED.
- THE ABOVE RECORD HAS BEEN ADDED TO THE DATABASE.
- THE WORD ALL IS TO BE ENTERED IN THE PART NUMBER OR MDS FIELD.

- THIS IS NOT A FLEET CHANGE.
- NO MATCH WAS FOUND FOR CATALOG/TLC/CATEGORY.
- TERM AND/OR USER CANNOT UPDATE THIS SERIAL NUMBER.
- CANNOT CHANGE MDS OF INSTALLED ITEM.
- PN STILL LOADED ON CMPT TABLE (MUST DELETE FROM CEOAA101 FIRST)
- POSSIBLE INST/CMPT ISSUE (LOAD IN CEOAA101 FOR COMPATIBILITY AND INSTALLED ON GROUPS).

Sample Format A400-1 Establish and/or Maintain Part Number Menu

Sample Format A400-2 Change Part Number

Sample Format A400-3 Establish Part Number

Sample Format A400-4 Inquire Part Number

Sample Format A400-5 Modify Part Number Data

Sample Format A400-6 Fleet Modification

Sample Format A400-7 Part Number Deletion Notice (Failure)

Sample Format A400-8 Part Number Deletion Notice

A415 - TCTO FILE MAINTENANCE

PURPOSE: This IMS program provides the capability of editing, establishing, and updating TCTO master data and applicable S/Ns for all TCTO file maintenance transactions. If user entries are correct, the message "QUEUED FOR PROCESSING" will be displayed on the screen. Required fields left blank or in error will be highlighted and error message given below input screen.

ENTER: /FOR CEOAA415

INPUT TRANSACTIONS AVAILABLE: This job allows maintenance to the TCTO file based on the input transaction code. The following is a list of transaction codes and their corresponding action.

•NOTE: Password entry is required for all transactions except inquiry. Password assignment is limited to organizations responsible for TCTO file maintenance.

OPTIONS:

I - Inquiry
A - Establish or Add Serial Number(s)
U - Unretire
R - Retire
D - Delete All
F - Delete One Serial Number
K - Change Manhours
X - Change KLD
C - Change

ASSOCIATED BATCH JOB:

CEBUA420
CEBUA425
CEBUA425
CEBUA435
CEBUA440
CEBUA445
CEBAU450
CEBUA455

For transaction codes A, F, K, and X, each affected part number and its associated applicable S/N range(s) must be entered to effect the required additions and/or changes. Each affected part number must also be entered on transaction code C when changing the new part number field.

OPTION I: INQUIRY. The inquiry allows the user to view complete master records and also will be used as a preliminary transaction before changing data elements or deleting records. Required fields are:

TRANS - I.

DATA CODE - Must exist in CEMS CDB.

OPTION A: ESTABLISH AND/OR ADD SERIAL NUMBER(S). The TCTO establish and add serial number(s) transaction will not select S/Ns with engine ownership account codes D (Dept of the Army), F (FAA), or W (Other Non-AF Activities).

This "A" transaction allows the user to establish a new TCTO in CEMS CDB. This will establish the master and any status records needed. An asterisk before the data element name means that the field requires input before the record will be established. Data element names without an asterisk are for optional input depending on their applicability to the master record being established.

EXCEPTION: When establishing a TCTO prior to adding serial number(s). The following data elements depicted as required inputs, will be left blank:

OLD-P-N
CII

NOTE: When more than 10,000 serial numbers are involved, DO NOT input any of the TCTO file maintenance transactions except INQUIRY (I). Contact OC-ALC/TILC, DSN 336-7550, to obtain a scheduled time for inputting these long running jobs which could adversely affect CEMS response time.

For adding S/N(s) to an existing TCTO, the following actions are required:

Make an inquiry (see above)

Ensure that all below data elements identified with an asterisk are input.

Press HOME key - type in special password.

Overtyping transaction code I with A.

Type in the S/N or S/N ranges to be added. (Only the S/N(s) that match the old part number will

be established.) If only one serial number is added, list as START-SN and blank out END-SN. Press ENTER key.

DATA ELEMENTS:

*DATA-CD - Data Code. A seven-position number assigned to each TCTO to facilitate data processing.

*TCTO-NR.

*OLD-PN - Old Part Number. The part number identifying the current configuration of applicable S/Ns. If more than one part number is involved, ensure that the appropriate range of applicable S/N(s) for each part number is inserted in the starting and ending S/N fields.

BASIC PART NUMBER WITH MULTIPLE DASH NUMBERS: If TCTO applicability instructions calls for adding all dash numbers of a basic part number for a specified range or all S/Ns of a CII: Enter - basic part number plus dash number and asterisk in the old part number field (i.e. 4060121 - *). All S/Ns within range input will establish that have any of the dash numbers of basic part number.

Do not use this multiple dash part number input when a new part number entry is required in the new part field.

NEW-PN - New Part Number. The part number that applicable S/N(s) will change to upon compliance if part number change is applicable.

PART NUMBER AND/OR TMSM CLARIFICATION: The TMSM will be input in lieu of old and new part numbers for the non-parts tracked engines. The TMSM will be structured in the first 12 positions of the part number field(s) as follows:

Type - (Positions 1-3). Alphanumeric, right justified, prefix with blanks.
 Model - (Positions 4-7). Alphanumeric, right justified, prefix with zeroes.
 Series - (Positions 8-10). Alphanumeric, right justified, prefix with zeroes.
 Modification - (Positions 11-12). Alphanumeric, left justified, suffix with spaces.

Example of a T56 Engine TMSM Structure:

TYPE	MODEL	SERIES	MODIFICATION
T	0056	007	A

For a list of all TMSMs - Reference T.O. 00-25-254-1.

MODIF-NR - Modification-Number. Reference AFI 21-101, Chapter 2, para 2-14.

*ADD-W-R - Additional work required Y= Yes, N = No.

SUFIX - Work order suffix (not used at this time).

*COMP-R-R - Compliance report required Y = Yes, N = No.

*STRUCT - Structure Affected Y = Yes, N = No.

*EXP-TIM - Expiration time (expressed in numbers of days).

*LEVEL - Level of maintenance.

A = Intermediate (Permanent).
 B = Depot (Permanent).
 C = Intermediate (Permanent MOD).
 D = Depot (Permanent MOD).
 E = Depot Update.
 F = Intermediate Update.
 G = Depot Update Safety.
 H = Intermediate Update Safety.
 1 = Intermediate (Other).
 2 = Depot (Other).

***TYPE - TCTO Type** - The type and classification of the TCTO.

- 1 = Immediate Action.
- 2 = Urgent Action.
- 3 = Routine Action, or Record Type.
- 4 = Deleted
- 5 = Deleted
- 6 = Deleted
- 7 = Event Type.
- 8 = Routine Actions, Permanent MOD.
- A = Immediate Action Inspection.
- B = Urgent Action Inspection.
- F = Routine Action Inspection.
- G = Event Type Inspection.

***WHN-ACC - When to Accomplish:**

CODE	DESCRIPTION
1	Used when an engine TCTO is issued concurrently with an aircraft series immediate action TCTO. Indicates equipment grounded pending accomplishment of work.
2	Used when an engine series TCTO is issued concurrently with an aircraft series urgent action TCTO and indicates the TCTO is to be accomplished within 10 days.
3	Routine TCTO to be accomplished in 30 days or less.
4	Routine TCTO to be accomplished in 60 days or less.
5	Routine TCTO to be accomplished in 90 days or less.
6	Routine TCTO to be accomplished in 360 days or less.
7	Category II routine TCTO (Depot Level Maintenance).
8	Record type TCTO.
9	Event type TCTO - To be accomplished at the next JEIM.

***SPEC-TOOL** - Special tools Y= yes, N = no.

***KIT-REQ** - Kit required Y = yes, N = no.

***CII**

***PARTS** - Parts required Y = yes, N = no.

***SAFE** - Safety TCTO Y = yes, N = no.

RELEASE-DT - DDMMYYYY. When non-released TCTO is established, the date will be left blank. The date must be input on/or before TCTO is published by using a TCTO change "C" transaction.

RESCISSION-DT - DDMMYYYY

FSC - Federal stock class.

OPER-IND - Normally blank, if unretire an on-line TCTO.

***WEIGHT** - Weight and balance affected Y= yes, N = no.

***TCTO-TITLE.**

EXCLUDE OWN-ACCT-CODE - EXCLUDE-OWNERSHIP-ACCOUNT-CODE. Optional input provides the capability to exclude establishing and/or adding S/Ns to a TCTO that are owned and/or possessed by European participating countries (ownership account code P). Enter "P" when desiring to exclude EPG S/ Ns, otherwise, leave this field blank.

• This program ignores any other letter or number except "P" in this field and establishes and/or adds all serial numbers within the input S/N and/or part number range.

KIT ID - Kit number (reference T.O. 00-5-15 paragraph 3-2, i.e. 2840K0212345ABC).

ECP - Engineering Change Proposal (reference job F020).

***AC-WTH-DC** (if applicable) - TCTOs to be accomplished with/concurrent with the requested TCTO.

*DC (if applicable) - Data codes which apply to AC-Wth-DC.

*AC-AFT-DC (if applicable) - TCTOs to be accomplished after/subsequent to the requested TCTO.

*DC (if applicable) - Data codes which apply to DC-Wth-DC.

*AC-PRI-DC (if applicable) - TCTOs to be accomplished before/prior to the requested TCTO.

*DC (if applicable) - Data codes which apply to AC-Pri-DC.

PSC CD - (P)=prior to, (S)=subsequent to, (C)=concurrent with, (1)=prior/subsequent, (2)=prior/concurrent, (3)=subsequent/concurrent, (4)=prior/subsequent/concurrent, or blank.

PCN - Production Change Notice.

NEW DC - New data code.

PUB DATE - Date published DDMMYYYY.

*T.O. UPDATE - Julian date of last master record update (YYYYDDD). This data is automatically inserted for all TCTO master record updates.

*EQP SPEC - Equipment specialist code.

*INDENT - Indenture level: Identifies an item position, by number, relative to its NHA; i.e., aircraft=1, engine=2, module=3, and so on. (Indenture levels for each CII may be obtained via inquiry to job A305.)

*MDS - Blank ignores MDS and loads by serial number/part number combination only. MDS entered restricts load to only serial number/part number of MDS entered. MDS with * (i.e..F016*) loads all F016s within applicable serial number/part number range. All spares will be loaded. MDS will programmatically right justify.

*JACKET - Jacket file Y = yes, N = no.

*CLASS - TCTO class -not currently used.

*PART NR-CHG - Part number change Y = yes, N = no.

*ISSUE-ACT - Issuing activity: OC-ALC, SA-ALC, OO-ALC, SM-ALC or WR-ALC.

*APPLIC-CODE - Serial number applicable to the TCTO, 1=ALL S/Ns for a given CII, 5=ranges (i.e., range of starting and ending engine S/Ns).

TOT-QTY-ITEMS-AFF - Total number of S/Ns affected. This quantity is automatically computed based on the quantity of input S/Ns within the input old part number. The quantity will also automatically reduce when serial numbers are deleted from TCTO. The only other way to change this field is with documented justification to OC-ALC/TILC.

TCTO-DESC-OF-CHANGE - Further specifies requirements not fully expressed in TCTO title field.

KLD - Kit letter designator = identifies the type of kit (reference T.O. 00-5-15, paragraph 3-2).

*PASS/FAIL - "Y"(yes) denotes this is an inspection TCTO and input of "pass" or "fail"will be required upon compliance of the TCTO. If TCTO establishes this requirement, TCTO type must be A, B, F or G. "N" (no) or blank denotes there is no requirement.

*EST-HR - Tenths (i.e., 00015 = 1.5 manhours). Must be a positive numeric value. CANNOT BE BLANK OR ALL ZEROS.

*START-SN - Beginning of S/N range. Ensure that the appropriate range of S/Ns are included for each applicable part number. The word "ALL"may be entered in the first START-S/N field and the entire S/N range for the affected CII and/or part number combination will be selected from the database for the user.

*END-SN - Ending of S/Ns range.

OPTION U: UNRETIRE. This transaction will unretire a specified TCTO master and all of its associated TCTO status records within 90 days after retirement. The only required entry is transaction code of U and an existing data code.

OPTION R: RETIRE. This transaction will retire a specified TCTO master and all of its associated TCTO status records. Required entry for this transaction is transaction code of R and an existing data code.

OPTION D: DELETE ALL. This transaction will delete the associated TCTO status records, the TCTO master record, and the applicable serial number records, regardless of what S/N(s) are entered at the bottom of the screen, when the TCTO master record has been established 30 days or less. If the TCTO has been established for more than 30 days, the user must contact OC-ALC/TILC to have the TCTO master record deleted. To use this transaction, enter "D" for transaction code, and the data code for the specific TCTO master record to be deleted. Transaction code D is to be used only by authorized personnel at Tinker/Kelly AFB. The following message will appear at the bottom of the screen, (D) DELETES ALL SERIAL NUMBER AGAINST TCTO - IF YES, TYPE (Y) IN TRAN. Enter "Y" in transaction code and hit enter only if you want to delete all S/Ns from the TCTO. Change transaction code to F (see below) if only certain S/Ns are to be deleted.

OPTION F: DELETE ONE SERIAL NUMBER. This transaction will eliminate the association between a particular range of CII and/or S/Ns and a given TCTO record. For use, the following must be entered:

TRANS - F.

DATA CODE - Must be on the TCTO file.

OLD PART NUMBER - Must be on the configured item file as a valid part number.

If non-parts tracked engine or module, reference explanation for New Part Number field for the TMSM structure input to the part number field.

CII - Must exist on the configured item file.

STARTING SERIAL NUMBER - Starting S/N must be on the CII and/or serial number file.

ENDING SERIAL NUMBER - Must be on the CII and/or S/N master file. A required entry when more than one S/N is being deleted.

- This transaction further requires that the retire flag of the TCTO master (CE104RSG) not be equal to a 1, 2, 4, or 5.

OPTION K: CHANGE MANHOURS. Allows the user to change the estimated manhours for a given S/N range. Required fields are:

TRANS - K.

DATA CODE - Must exist on TCTO file.

OLD PART NUMBER - Must exist on configured item file. If non-parts tracked engine or module, reference explanation for New Part Number field for the TMSM structure input to the part number field.

CII - Must exist on configured item file.

EST-MAN-HRS - Must not be blank or all zeros.

SERIAL NUMBER RANGE - Serial numbers must exist on CII and/or S/N file.

- This transaction further requires that the retire flag of the TCTO master (CE104RSG) not be equal to a 1, 2, 4, or 5.

OPTION X: CHANGE KLD. This transaction permits change of the KIT letter designator by CII and/or S/N for each old part number entered. Required fields are as follows:

TRANS - X.

DATA CODE - Must exist on TCTO file.

OLD PART NUMBER - Must be a valid part number in existence on the configured item file.

If non- parts tracked engine or module, reference explanation for New Part Number field for the TMSM structure input to the part number field.

CII - Must be a valid CII in existence on the configured item file.

KLD - Must not be blank.

STARTING SERIAL NUMBER - Must be in existence on CII and/or S/N file.

ENDING SERIAL NUMBER - Must be on CII and/or S/N master file. A required entry when more than one S/N is affected by the KLD change.

- This transaction further requires that the retire flag of the TCTO master (CE104RSG) not be equal to a 1, 2, 4, or 5.

OPTION C: CHANGE. An inquiry transaction must be executed before initiating a change transaction (enter transaction code "I" and desired DATA CODE). The change transaction of TCTO file maintenance allows the user to change almost every data element on the TCTO file. It is not required that every field is entered. Below is a list of the required fields:

TRANS - C.

DATA CODE - Must be on the TCTO master file.

OLD PART NUMBER - To effect value changes to the new part number, special tools, kit req, parts, kit ID, and/or part number change fields the appropriate part number(s) for the affected S/Ns must be input.

PASS/FAIL - Must be "Y"(yes) or "N" (no). If requirement is established, TCTO type must be A, B, F or G.

- Move cursor to desired field(s) and type over data to effect change(s), then press ENTER.

USER NOTIFICATION MESSAGES: No action required.

REQUESTED ACTION QUEUED FOR PROCESSING

ERROR MESSAGES:

- THE DATA CODE ENTERED DOES NOT EXIST ON THE DATA BASE
- ERROR IN HIGH-LIGHTED FIELDS - CORRECT AND RE-ENTER
- THIS TCTO HAS NO ATTACHED SERIAL NUMBERS. TCTO is rescinded or retired
- ERROR 408 TCTO IS RESCINDED OR RETIRED
- REJ DC'S, CORRECT HIGHLIGHT FLDS AND HIT ENTER.
- ACTION CODE ENTERED - INVALID - CORRECT AND RE-ENTER. The transaction code entered is not a valid transaction code for this program. Research and enter correct transaction code, then press ENTER.
- CHANGE TRAN REJECTED - INQUIRY REQUIRED BEFORE CHANGE. Program will not execute a change transaction until an inquiry transaction has been executed. Enter an "I" in transaction code, then press ENTER. After inquiry is completed, execute change transaction.
- TOTAL-QTY-ITEMS-AFFECTED. Value has been manually input with a C change transaction (this field can only be changed by special request). Solution: Forward written justification to OC-ALC/TILC. (This is an automatically computed value for both add and delete S/Ns).
- TCTO RETIRED - TRANSACTION REJECTED. (1) Transaction codes F, K, or X have been entered and the TCTO has a retirement flag of 1, 2, 4, or 5. (2) Transaction code A has been entered and the TCTO has a retirement flag of 2, 4, or 5. Solution: If data code is correct, no further action is required for transaction codes F, K, or X. (No need to change hours, delete S/Ns, or change KLD on a retired TCTO).

Sample Format A415

A458 - RETIRE TCTO FILE MAINTENANCE (A415) TRANSACTIONS FROM DAY FILE

PURPOSE: TSO program CEBUA458 runs monthly and cleans off outdated TCTO file maintenance records from the hold data record database (A270). This program reads hold ID record database and selects all records created by the A415 TCTO file maintenance family of programs. It then selects the individual records for each of the keys and computes the age of the record. If the record is older than 90 days, it is deleted from the database. Deleted records are copied to tape and held for 90 days.

A460 CHANGE AND/OR DELETE SERIAL NUMBER • PEMOS only

PURPOSE: This IMS program provides the capability to change or delete the Serial Number Record or change the CII. This program is controlled by program A325 and OC-ALC/TILC. These changes will post to History as, "60", Transaction Condition Code, including "CII Change" or "SN Change" to identify specific action accomplished. "Last Action Date" and "Sequence Number" on the Serial Number Record will not be updated. All online SN data will be transferred to the new SN or CII, including TCTO and inspection data.

ENTER: /FOR CEOAA460

OPTIONS: C = CHANGE D = DELETE

REQUIRED FIELDS to CHANGE S/N or CII:

TRANS - C

PASSWORD

OLD CII - Must be valid CII

OLD S/N - Must be valid S/N in CE102RSG S/N Master Record.

NEW CII - Must be same CII as old CII if S/N change, or valid CII if CII change.

NEW S/N - Must be the new S/N if S/N change, or old S/N if CII change.

REQUIRED FIELDS to DELETE:

TRANS - D

PASSWORD

OLD CII - Must be valid CII

OLD S/N - Must be valid S/N in CE 102RSG S/N Master Record

ERROR MESSAGES: Appropriate error messages will be displayed at bottom of the screen.

- INVALID OLD CII AND/OR SERIAL NUMBER.
- INVALID NEW CII AND/OR SERIAL NUMBER.
- TRANSACTION REJECTED: (This message will be used with other messages, never alone).
- NEW CII AND/OR SERIAL NUMBER ALREADY PRESENT.
- OLD CII AND/OR SERIAL NUMBER IS NOT A SPARE.
- CANNOT DELETE SERIAL NUMBER WITH LOWER ASSEMBLY.
- CANNOT DELETE INSTALLED SERIAL NUMBER.
- UNAUTHORIZED USER.
- INVALID TRANS.
- DELETE TCTO APPLICABILITY BEFORE DELETING SERIAL NUMBER.
- UNAUTHORIZED TERMINAL.
- CORRECT AND RESUBMIT. (This message will be used with other messages, never alone).
- ENTER OLD CII AND/OR SERIAL NUMBER.
- ENTER NEW CII AND/OR SERIAL NUMBER.
- NLA CII AND/OR SERIAL NUMBER NOT FOUND.
- TCTO AVAILABILITY RECORD NOT FOUND.
- DLI ERROR (STATUS CODE, DLI FUNCTION, SEGMENT NAME, SSA).
- OLD CII AND/OR SERIAL NUMBER ON NLA RECORD NOT FOUND.
- GE ON GHU - ROOT CANNOT BE DELETED.
- CRITICAL ERROR.
- CE102110 ON NLA RECORD NOT FOUND.

TO 00-25-254-2

- CE102110 ON NLA RECORD ALREADY PRESENT.
- CANNOT CHANGE CII OF SPARE ITEM.
- CANNOT CHANGE CII OF INSTALLED ITEM.
- NO MATCHING PART NUMBER FOR NEW CII.
- NEW CII TRACKING METHOD(S) DOES NOT MATCH OLD.

Sample Format A460

A465 - SPECIAL STATUS CODE FILE MAINTENANCE

PURPOSE: This IMS program updates special status codes and establishes S/N life limits. Inspection, time change (extend life limit) and warranty S/N limits can be established, changed (complied with), or deleted with this program. When inspection due times are updated, ENTER option, CII, S/N, TLCC, and serial number-limit. PASSWORD is required for warranty and time change life limit updates, but not for inquiry or inspection limit updates.

NOTE: This program reads A325 which is managed by OC-ALC/TILC. Access to A465 is approved by the Managing Depot or SPO.

ENTER: /FOR CEOAA465

OPTIONS: I = INQUIRE A = ESTABLISH C = CHANGE D = DELETE

REQUIRED FIELDS to INQUIRE:

OPTION - I

CII - Must already exist on the CII S/N master record.

SERIAL NUMBER - Must already exist on the CII S/N master record.

TLCC - Required only if inquiry includes a need for LIFE LIMIT.

REQUIRED FIELDS to ESTABLISH:

OPTION - A

CII

SN

SPECIAL STATUS CODE - Special status code can be established, changed and/or deleted.

LTF - Lead The Fleet

ACI - Analytical Condition Inspection

SSL - Special Serialized Limits

REC - Reclamation

A/I - Accident/Incident

EWP - Engine Warranty Program

TDR - Teardown Deficiency Report

OAR - Oil Analysis Report

SAF - Simulated Actual Flight Endurance

AMT - Accelerated Mission Test

ENG - Engineering Evaluation

TRG - Training Items

CAL - Test Cell Calibration

CAB - Cannibalized

DIS - Disassembled Engine

ORF - Overhaul/Repair Facilities

PMG - Parts Missing

AWR - Awaiting Repair

TLCC - Enter the TYPE LIMIT CODE and CATEGORY that describes the limit change required. Must accompany S/N.

LIMIT -

LIFE LIMIT - Enter the warranty expiration or time change and/or inspection due time. (Seven position numeric.)

REQUIRED FIELDS to DELETE:

OPTION - D

CII

SERIAL NUMBER

SN LIMIT

• Before a DELETE can be made to a previously established record, an INQUIRY transaction must first be made on that record. After a successful inquiry has been completed, a DELETE transaction can be processed by changing the OPTION to "D" and press "ENTER". This procedure will result in the deletion of all records displayed.

• **NOTE:** Any data to be saved must be removed from the screen before pressing "ENTER".

REQUIRED FIELDS to CHANGE:

OPTION - C
CII
SERIAL NUMBER
SN LIMIT

• Before a CHANGE can be made to a previously established record, an INQUIRY transaction must first be made on that record. After a successful INQUIRY has been completed, a CHANGE can be processed by typing over the existing field(s) which are to be revised, and change the OPTION to "C" and press "ENTER".

ERROR MESSAGES:

- INVALID OPT CODE.
- INQUIRY REQUIRED BEFORE THIS OPT.
- COULD NOT FIND CII AND/OR SERIAL NUMBER ON DATABASE.
- INVALID SSC NOT ON CE101RSN: Insure that proper special status code is loaded (reference job A311).
- CII CANNOT BE SPACES.
- SERIAL NUMBER CANNOT BE SPACES.
- TLC INVALID, NOT ON CE101RSJ: (Reference catalog number table, job A314).
- LIFE LIMIT NOT NUMERIC NOT VALID.
- UNAUTHORIZED USER AND/OR SSC CODE ONLY: Password is only authorized to update SSC.
- TERMINAL NOT AUTHORIZED FOR SRAN: Passwords are not required to update (add, change, or delete) inspection life-limits, however, updating SRAN must possess item.

Sample Format A465

A480 - MASS TCTO STATUS UPDATE to 04 STATUS • SA-ALC, OC-ALC Only

PURPOSE: This TSO program provides the capability to mass change all open status codes (06-21) to closed status code 04 (N/C/W Cancelled) for a specified CII and data code. This program is password controlled and used only by depots (SA-ALC, OC-ALC) to cancel a TCTO or supplement.

NOTE:

1. F001, TCTO With Applicable Data Code and CIIs, should be run to determine if TCTO is loaded at more than one CII level. If loaded at more than one CII level A480 will need to be processed for each CII.
 2. F035 or F036, TCTO Status Report, should be run for the affected CII and data code immediately prior and after running the A480 job. This will provide the capability to verify and retrieve TCTO status data.
- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

REQUIRED FIELDS:

Number of Definitions - Must be 1

CII

Data Code

Accomplishing SRAN - must be 2039 or 2059

Accomplishing Command

ERROR MESSAGES:

INVALID DATA CODE (can not be blank)

CII NOT APPLICABLE TO TCTO

CII NUMBER ERROR (can not be blank)

SRAN NOT ENTERED

INVALID SRAN

INVALID COMMAND

Sample Format A480

A485 - MASS TCTO UPDATE TO ANY STATUS BY SRAN OR WORLDWIDE • CDB use only

PURPOSE: This TSO program provides the capability to mass change TCTO status. This program is password controlled (A325) and used only by TILC. The only requirement from field/depot personnel is that requests be submitted in writing (fax/email), not verbally.

•To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

EXAMPLES OF MASS CODING CAPABILITY**BY SRAN:**

<u>1</u> OPEN CODE TO <u>1</u> CLOSED CODE	(EX. 21 TO 22)
<u>1</u> CLOSED CODE TO <u>1</u> OPEN CODE	(EX. 22 TO 15)
<u>1</u> OPEN CODE TO <u>1</u> OPEN CODE	(EX. 21 TO 11)
<u>1</u> CLOSED CODE TO <u>1</u> CLOSED CODE	(EX. 22 TO 03)
<u>ALL</u> CLOSED CODES TO <u>1</u> OPEN CODE	(EX. 01-05, 22 TO 15)
<u>ALL</u> CLOSED CODES TO <u>1</u> CLOSED CODE	(EX. 01-05, 22 TO 02)
<u>ALL</u> OPEN CODES TO <u>1</u> CLOSED CODE	(EX. 06-21 TO 22)
<u>ALL</u> OPEN CODES TO <u>1</u> OPEN CODE	(EX. 06-21 TO 11)
<u>ALL</u> OPEN/CLOSED TO <u>1</u> CLOSED CODE	(EX. 01-22 TO 02)
<u>ALL</u> OPEN/CLOSED TO <u>1</u> OPEN CODE	(EX. 01-22 TO 17)

WORLDWIDE:

ANY ABOVE COMBINATION

•Mass coding may also be restricted by CII, MDS, and part number.

NOTE:

1. F001, TCTO with Applicable Data Code and CII's, should be run to determine if TCTO is loaded at more than one CII level.
2. F035 or F036, TCTO Status Report, should be run for the affected CII and data code immediately prior and after running the A485 job. This will provide the capability to verify and retrieve TCTO status data.

REQUIRED FIELDS:**DATA CODE****ACCOMPLISHING SRAN**

CII - (optional) This option may be used when TCTO is loaded against multiple CII's. If CII is entered, this edit will only update status of serial numbers for the requested CII. If TCTO is loaded at multiple levels and this field is left blank, all CII's will be updated.

CURRENT STATUS CODE**NEW STATUS CODE**

TOTAL MANHOURS - Include manhours when updating to status codes 01, 02, or 03.

MDS - (optional) This option may be used when TCTO is loaded against multiple MDS. If MDS is entered, this edit will only update status of serial numbers installed on requested MDS. If TCTO is loaded against multiple MDS and this field is left blank, all MDS will be updated.

PART NUMBER - (optional) This option will update only those serial numbers with the requested part number.

NEW PART NUMBER - (optional) This option will update all serial numbers requested and change to the new part number entered regardless of any current TCTO part number roll in CEMS.

ERROR MESSAGES:

INVALID DATA CODE

INVALID CURR STATUS CODE

INVALID NEW STATUS CODE

Sample Format A485

A501 SELECTS AND SHRED DAILY TRANSACTIONS • CDB use only

PURPOSE: This TSO program selects all transactions from the CE105110 file and current transaction from the Base Account (BAC) file. Updates the BAC file and the automatic resupply file with transactions selected from the CE105110 file, creates age of data file, CII and/or serial number history file and two daily interface tapes.

PCN: CED042.BRA501.A1TD (HQ MAC)
CED042.BRA501.A2TD (ERROR) for HQ MAC

A503 INTERFACE SHRED (BAC TOO PWA and DDA) • CDB use only

PURPOSE: This TSO program selects all records from base account change file that pertain to engines from DDA and PW and transmit via tape, CED042.NOA503.A1TM, to those contractors. Also selects all records from base account change file with a location code of other than "C" or "L" for transmission tape and with a TCC of "JL", "RL", or "PL", CED042.NOA503.A2TM, to D160B.

A504 - CONTRACTOR DATA EXTRACTION • CDB use only

PURPOSE: This TSO program produces magnetic tapes, which contain engine and tracked parts data. The serial number root segments CE102RSG and all data for sub-segments 110, 140, 170, and 180 are provided. Also data for history sub-segments 120, 130, 150, and 180/190 is provided for records less than 90 days old (from process date). Format is that specified in the CEMS database specifications.

FREQUENCY: Last weekend of each month.

MEDIA: Mail magnetic tapes as described below.

PWA Data Base Tape (F100, TF30 and TF33)

- UNITED TECHNOLOGIES
- PRATT and WHITNEY AIRCRAFT CO
PO BOX 2691 MAIL STOP 703-11
WEST PALM BEACH, FL 33402

GE-Lynn Data Base Tape (TF34)

- GENERAL ELECTRIC CO
EXCLUDE-OWNERSHIP-AC PRODUCTS
DATA CENTER
45211 1000 WESTERN AVE
LYNN, MA 01910

GE Data Base Tape (F101, F110, F118, U118, F129, F11B, F404)

- GENERAL ELECTRIC CO
111 MERCHANT ST
CINCINNATI, OH 45246

DDA Data Base Tape (T56)

- DDA
2355 S TIBBS
INDIANAPOLIS, IN 45241

CFM Data Base Tape (F108 and G108)

- CFM INTERNATIONAL
ATTN: GA AGRICLA
MAIL DROP G11
PO BOX 15514
CINCINNATI, OH 45215

A505 - OPERATING TIME AND RECONCILIATION REPORT (A510)

PURPOSE: This TSO program selects all engines and other required data elements to create and sort records. It produces quarterly inventory status report parts I, II, III, and IV in the form of printed listings on a quarterly basis.

OUTPUT: Bases will be notified by inter-terminal message on the 20th of each quarter (March, June, September, and December) to print quarterly reconciliation list using the remote print option "L" of TSO.

SAMPLE	TITLE	PCN
A510-1	QUARTERLY INVENTORY STATUS REPORT (PART I)	CEDO42.BUA510.A10Q
A510-2	QUARTERLY INVENTORY STATUS REPORT (PART II)	CEDO42.BUA510.A20Q
A510-3	QUARTERLY INVENTORY STATUS REPORT (PART III)	CEDO42.BUA510.A30Q
A510-4	QUARTERLY INVENTORY STATUS REPORT (PART IV)	CEDO42.BUA510.A40Q
A510-5	SRAN DIRECTORY DATA	NONE

DESCRIPTION OF OUTPUT DATA ELEMENTS:**PART 1, QUARTERLY OPERATING TIME LISTING (for installed engines).**

INDENTURE LEVEL

ENGINE DESIGNATION: TMSM

SERIAL NUMBER: Engine serial number

CMD CODE: Major command code and sub command

ORG CODE: Required

STATION NUMBER: SRAN

ACCT CODE: Ownership account code

TYPE REPT: Type report

DATE: Date of transaction

SEQ-NR: Seven position number where first two positions equal the month.

TRAN AND COND: TCC

NHA DESIG: Aircraft MDS

NHA SERIAL NR

POSN NR: Position number

PART 2, QUARTERLY RECONCILIATION LISTING (for uninstalled engines)

All data elements for part 2 are described as in part 1.

SHIP TO CMD BASE: Major command code, reference SRAN directory.

PART 3, QUARTERLY RECONCILIATION LISTING (aircraft with engines obligated to install).

ENGINES DESIGNATION: No engines

SERIAL NUMBER: Installed

CMD CODE: Major command code

STATION NUMBER: SRAN, reference SRAN directory.

ACCT CODE: Ownership account code.

END ITEM DESIGNATOR: Aircraft MDS.

END ITEM SERIAL NUMBER

PART 4, ENGINE MANAGER DATA:

STATION NUMBER: SRAN, reference SRAN directory.

PART I INSTALLED: Total installed active engines with account codes of A, G, N, or R.

PART II SERVICEABLE: Total quantity of serviceable uninstalled accountable assets on hand in serviceable status.

PART II REPARABLE: Total quantity of uninstalled accountable assets on hand in reparable status.

PART II INSTALLED: Total quantity of accountable assets on hand in an installed status other than that mentioned in PART I, INSTALLED above.

TOTAL UNITS: Total accountable assets on hand.

A511 - PRINT ALC INVENTORY IN STUFFER FORMAT

PURPOSE: This TSO program gives the Air Logistics Centers (ALC) (FJ SRA) 2029, 2039, 2049, 2059, 2065 and FJ 2373 BEMs the capability to print an inventory stuffer for each accountable item located at their SRANs. A dataset will be created concurrently with the printing of the Quarterly Operation and Reconciliation Reports (A510) on the 20th day of March and September of each year. ALC facilities only perform inventories semi-annually. The dataset will be retained in D042 CDB until the 1st working day of the following month, at which time, they will be erased.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1. Call DSN 339-5734 (Comm Help Desk) to run this job on 8 1/2 x 11 paper, 3 to a page. Load stuffer paper before printing.

Upon reaching the CEMS A511 INQUIRY DEFINITION screen, enter one of the following options:

- OC to obtain FJ 2039 and FJ 2037 Status Transactions.
- SA to obtain FJ 2059 Status Transactions.
- OO to obtain FJ 2029 Status Transactions.
- WR to obtain FJ 2065 and FJ 2069 Status Transactions.
- SM to obtain FJ 2049 Status Transactions.
- DM to obtain FJ 2373 Status Transactions.

OUTPUT FORMAT: The Status Transaction stuffer will be annotated as follows:

REPORT TITLE - "INVENTORY AND/OR OPERATING HOUR REPORT" centered on top line.

SRAN NUMBER of the Transaction following the report title.

STUFFER SEQUENCE NUMBER - Located in the top left-hand corner of the stuffer. Number from 1 to XXXXX to allow for auditing the return of all stuffers issued for inventory purposes.

Line of data for Status Transaction consists of:

TMSM - Ten-position type, model, series and modification of the accountable item.

S/N - Ten position.

CMD - Three-position major and sub command code coupled with the one position ALC organizational code.

AC - Account code.

TR - Type report.

TRANS DATE - Five-position date of last Transaction.

SEQ NUMBER - Seven position sequence number for last Transaction.

TC - TRANS code.

CC - Condition code.

TO OR FROM - The four position SRAN number of the SRAN that possessed the accountable item prior to receipt (if inventory based on a receipt Transaction) or the SRAN to which an accountable asset has been shipped/transferred but for which a receipt report has not been received in D042 CDB.

CON TYPE - Container type.

DOCUMENT NO

REM RSN - Reason for removal.

ENG TIME - The time since last major overhaul (or time since new, if never overhauled) for a non-parts tracked engines or time since new on a parts tracked accountable item.

CYCLE COUNT - Number of cycles on an accountable item since last major overhaul (or cycles since new, if never overhauled).

RSN RTN - Reason for return to overhaul.

END ITEM DESIG - Seven-position designation of the NHA in which the accountable item is installed.

END ITEM SER NO - Ten position S/N identifying the end item assembly.

POS NO - The position number in which the accountable item is installed in the end item.

SPEC STAT - Any special status code assigned to the accountable item.

• On the lower half of the stuffer will be spaces to allow the individual conducting the inventory to annotate the results of the inventory and will include: found, not found, location, date shipped, ship to SRAN, shipping document number, signature of person conducting the inventory, and date of inventory action.

• It is the responsibility of the individual ALC base engine manager to assure that the correct size stuffer paper is available in sufficient quantity to allow for at least two-three runs of the inventory in case of emergency breakdown of the communication lines during first or second runs. It is recommended that the

stuffer paper be two part paper to allow base engine manager to maintain a set of stuffers in stuffer number sequence while disseminating to second set to personnel conducting the inventory. Stuffers will be sorted and printed in SRAN and then in ALC organizational code or CAMS unit ID, code sequence, as applicable.

Sample Format A511

A519 - PWA PART NUMBER DATA BASE TAPE • CDB use only

PURPOSE: This TSO program produces a magnetic tape which contains part number data records, segment CE103120, for the F100, TF30, and TF33 engines. The tape is mailed to: United Technologies, Pratt and Whitney, Government Engine Business, ATTN: Peter Neff, PO Box 109600, West Palm Beach, Florida 33410-9600.

FREQUENCY: About the 20th of each month.

MEDIA: Magnetic tape.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

Refer to CEMS data base specification, segment CE103120 for format and content.

A525 - D042 RECON SUBMISSION PANEL • CDB use only

PURPOSE: This TSO program selects all CDB data for designated base and TMSM. The selected data is output on data set CE.AM525001/CE.AM525002/CE.AM525003/ CE.AM525004 or CE.AM525005.

DESCRIPTION OF INPUT DATA ELEMENTS:

Output Data: One position numeric (1, 2, 3, 4, or 5) for the number of bases to be reconciled.

Deadline: Six position numeric, MMDDYY, (enter tomorrow's date).

NOTE: Reference chapter 3 for accessing the system and running programs. Job A525 cannot be processed until "6RR" transaction has been received and processed in CDB from the base(s) to be reconciled. Program A250 stop code must also be changed from "RCON" to "REDY" before Job A525 is processed. After A525 has processed, program A250 stop code will programmatically change to "RRAN".

A529 - D042 RECON SUBMISSION PANEL • CDB use only

PURPOSE: This TSO program reconciles data received from a base level system against data compiled by program A525 and contained on data set(s) CE.AM525001/2/3/4 or 5. Data differences and reconciliation statistics are produced on a printed listing (A530).

DESCRIPTION OF INPUT DATA ELEMENTS:

INPUT FILE: 3N (use data set number created by job A525).

ENTER TAPE LOCATION: 5N (use tape location assigned to base reconciliation tape, or "Data", if base transmitted recon or data).

TAPE LABEL: 1N

PRINFFFFF: 1A (C for 8.5 by 11, A for brownline).

COPIES: 1N (additional copies are provided for the base deletion list and the part number mismatch list only).

REMOTE PRINT: Enter 8 digit numeric remote printer number or "Null" if only 8.5 by 11 paper copy is required.

OUTPUT DATA: Reconciliation listing (six part)

(1) BASE DELETION LIST: Listing of all serial numbers on the base tape that have a different possessor in the CDB.

(2) CDB DELETION LIST: Listing of all serial numbers for the reconciled base which are not on the base tape, but the CDB shows to belong to the reconciled base.

(3) PART NUMBER MISMATCH LIST: Listing of all serial numbers and their part numbers that have different part numbers in the CDB versus the base tape.

(4) BASE AND/OR CDB LIMIT DIFFERENCES: Listing of all serial numbers which have the same part number on the base tape and the CDB, but their limits are different.

(5) RECONCILIATION STATS: Summary sheet of the number of records reconciled and the total errors for different categories.

(6) RECONCILIATION DISCREPANCY LISTING: Listing of variances between the base tape and the CDB utilizing codes outlined in T.O. 00-25-254-1.

A533 - INITIALIZATION DATA REQUEST by CII

PURPOSE: This TSO program builds requests for all serial number of a specified CII at one SRAN. If several CII's are required, a separate job for each required CII must be submitted.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

NOTE:

Caution must be used when selecting the service status code, i.e. always use "S" for spares when requesting part, module or assembly CII's. The installed part, module and assembly requests will be included when the engine CII is requested.

REQUIRED FIELDS:

NUMBER OF DEFINITIONS - (1 Maximum)

SRAN

CII - Seven positions

UNIT ID - One position

SERVICE STATUS CODE - One position ("M" "S" or "X")

- Caution must be used when selecting the service status code, i.e. always use "S" for spares when requesting part, module or assembly CII's. The installed part, module, and assembly requests will be included when the engine CII is requested.

ERROR MESSAGES:

INVALID DEFINITION.

DEFINITION MUST NOT BE BLANK.

SRAN NOT ENTERED.

SRAN MUST NOT BE BLANK.

INVALID UNIT ID.

UNIT ID MUST NOT BE BLANK.

INVALID SERVICE STATUS C.

SERVICE STATUS CODE MUST NOT BE BLANK.

SERVICE STATUS CODE CAN ONLY BE M, S, OR X.

CII MUST NOT BE BLANK.

INVALID CII

Sample Format A533

A534 - BUILD INITIALIZATION REQUEST FILE • CDB use only

PURPOSE: This TSO program receives and formats initialization data requests from A533 and A535. See A533 or A535 for more information.

A535 (IMS) - CONFIGURATION LOOK-UP

PURPOSE: This IMS job will display Next Lower Assembly's (NLAs), all indenture levels, for a CII/Serial Number, and the operating parameters depending on the option selected. One option will also provide data in Initialization Deck format. A TSO A535 downloadable I-Deck is also available, see TSO option below. For F119 CIIs/SNs only, if SN data is not found under input CII, program will automatically search for and display, if found, SN data established under a different CII, if CII requested is interchangeable. - Reference Program A333, F119 Interchangeable CII Table.

PCN: CED042A.MUA535.A1SA

ENTER: /FOR CEOAA535

NOTE: Jobs A205, A277, A295, A251 can be accessed directly from Job A535 by entering one of the following options in the option field or in the swap field to the left of any CII:

H = A205

K = A277

P = A295

G = A251

T = List ("T" will access A252, where other options are available)

Job A535 is accessible from A252 using option "M".

OPTIONS: 1 = Item Configuration (displays NLA serial number chain)
 2 = Item Configuration (displays NLA serial number chain with TSN)
 3 = Item Configuration (displayed in I-Deck format)

REQUIRED FIELDS:

Option - 1, 2, 3 Swap screen codes may also be input in the option field.

CII/MDS and Serial Number - Established engine/component/aircraft serial number
 (MDS/Aircraft valid only for options 1 and 2)

SRAN - Option 3 only.

After all required fields keyed in, press Enter.

OUTPUT DATA ELEMENTS FOR OPTIONS 1 AND 2:

CII - Configured Item Identifier

Serial Number

NHA - Next Higher Assembly (CII and SN)

Part Number

Engine Id

WUC - Work Unit Code

LCN - Pos - Displayed instead of Engine Id/WUC if applicable

Noun - Item Nomenclature

TSN - Current Time Since New

OUTPUT DATA ELEMENTS FOR OPTION 3:

Initialization Deck Data

ERROR MESSAGES:

1. CII/SN NOT FOUND - If this message is displayed, there was a request made for a CII and/or serial number not previously established in the SN master.
2. INVALID OPTION - PLEASE RE-ENTER
3. MDS ONLY VALID FOR OPTIONS 1 AND 2

4. OPTION 3 REQUIRES SRAN

5. A SN ALREADY EXISTS UNDER CII _____

6. CII INTERCHANGEABLE WITH CII _____ BUT SERIAL NUMBER NOT FOUND

Sample Format A535-1

Sample Format A535-2

Sample Format A535-3

Sample Format A535-4

Sample Format A535-5

Sample Format A535-6

Sample Format A535-7

Sample Format A535-8

Sample Format A535-9

A535 - TSO OPTION - DOWNLOADABLE INITIALIZATION DATA

PURPOSE: This TSO program builds requests and initiates processing of job A534. Output is available to job initiator on their printer or hard drive. For F119 CII/SNs only, if SN data not found under input CII, program will automatically search for and display; if found SN data established under a different CII, if CII is interchangeable - Reference Program A333, F119 Interchangeable CII Table.

*To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

REQUIRED INPUT:

NUMBER OF DEFINITIONS

SRAN

ENGINE ID

WUC

SERIAL NUMBER

ERROR MESSAGES:

Invalid Definition

Definition must not be blank

Definition cannot be more than 20

SRAN invalid

SRAN must not be blanks

Invalid Engine ID

Engine ID must not be blanks

Invalid WUC

WUC must not be blanks

Invalid Serial Number

Serial Number must not be blanks

Sample Format A535-10

A540 - SELECT AND DELETE UPDATE HISTORY • CDB use only

PURPOSE: This monthly TSO program selects update history (CE102130) records that are older than 18 months, deletes those segments and writes them to off-line history file, CEDO42.BUA540.A1TM. Off-line records can be viewed to using TSO jobs E111 or A277.

A545 - SELECT AND DELETE STATUS HISTORY • CDB use only

PURPOSE: This TSO program selects and moves to off-line storage all 1534 history records, segment CE102150, that are 36 months old. These records may be viewed using TSO program E115. This program runs yearly (in August).

A550 - BASE ACCOUNT FILE (MERGE) • CDB use only

PURPOSE: This TSO program reads the BASE ACCOUNT CHANGE (archival) file and the current BASE ACCOUNT CHANGE file produced by job A501. Selects and merges data to produce the following tapes on a monthly basis: Inventory Status History for Month and/or Year.

PCNs:

CEDO42.NOA550.A1TM (2029)
 CEDO42.NOA550.A2TM (2039)
 CEDO42.NOA550.A3TM (2049)
 CEDO42.NOA550.A4TM (2059)
 CEDO42.NOA550.A5TM (2065)

Sample Format A550

A551 - ANNUAL D042 AF FORM 1534 HISTORY • CDB use only

PURPOSE: This TSO program runs on the 12th of January and merges data to produce an annual D042 AF FORM 1534 History Storage Tape.

PCN: D042.NOAHST.A1MM.

A555 - SELECT AND DELETE LOSS DATA • CDB use only

PURPOSE: This TSO program deletes the CE102RSG segment for accountable permanent loss records over 18 months, ACCOUNTABLE temporary loss records over 36 months and NON-ACCOUNTABLE parts with condemn flag set over 18 months. Losses are merged into separate ACCOUNTABLE and NON-ACCOUNTABLE history tapes, PCNs CEDO42.BUA555.A1TS and CEDO42.BOA555.A2TS, history tapes, semi-annually (Jan. and July), creating current loss files.

A565 - ERROR VARIANCE DATA • CDB use only

PURPOSE: This TSO program selects and computes error variance data.

• These reports are distributed on a monthly basis.

PCN CED042.NOA568.A1MM - System Error Summary, SRAN Sequence, Monthly.

PCN CED042.NOA568.A2MM - Error Variance Analysis, Part I, Command Sequence, Monthly.

PCN CED042.NOA568.A3MM - Error Variance Analysis, Part II, Command Sequence, Monthly.

PCN CED042.NOA568.A4MM - Error Variance Analysis, Part III, By Command, Monthly.

PCN CED042.NOA568.A5MM - Error Variance Analysis, Part IV, Station Recap.

PCN CED042.NOA568.A6MM - Error Variance Analysis, Part V, W-W RECAP, By Command.

PCN CED042.NOA578.A7MM - Error Variance Analysis, Part VI, Command History for Four Months.

PCN CED042.NOA568.A8MM - Error Variance Analysis, Part VII, W-W Percentages by Error Variance Code.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

SYSTEM ERROR SUMMARY:

SRAN DESCRIPTION - The four position SRAN and station name, reference D042 SRAN directory.

REJECT CODE - Error and/or variance code found in T.O. 00-25-254-1.

DESCRIPTION - Brief narrative of error.

QTY OF REJECTS - Total quantity of transactions which were rejected for each transaction code.

QTY OF TRANSACTIONS - Total quantity of transactions per TCC.

PERCENT OF REJECTS - Percentage of erroneous transactions for a given TCC vs. the total quantity of transactions received for a given TCC.

ERRORS UNCORRECTED - That quantity of rejected transactions that were uncorrected as of this report date.

PCT ERRORS UNCOR - Percentage of transactions that were uncorrected vs. total quantity of rejected transactions.

CODE DESCRP - TCC and its description.

ERROR AND/OR VARIANCE ANALYSIS, PART I:

E-V CODE - Error and/or variance code which is found in T.O. 00-25-254-1.

ENGINE DESIGNATION - TMSM as structured in this T.O., job A315.

ENGINE SER NR - Engine S/N as structured in T.O. 00-25-254-1.

POSS ACTIV: Possessing activity = major command code and SRAN.

ACC CODE - Ownership account code.

TYP RPT - Type report.

SEQ NUMBER - Sequence number.

TCC

SHP TO - SRAN that engine or module was shipped to.

TYP CON - Type container code.

DOCUMENT OR TCN NUMBER - Document number or transportation control number.

REP SERIAL NUMBER OR SAP CODE - Repairable engine or module serial number or security assistance program code.

RES REM - Reason for removal code.

HRS - Flying time.

POS NR - Position number.

ERROR VARIANCE ANALYSIS, PART II:

STATION NAME NUMBER - Name and SRAN of station.

HI SEQ NUMBER - Highest sequence number received.

TYPE A REPORT - Quantity of transactions with A type report code.

REPORTS COMPUTED - Quantity used to compute error and/or variance rates.

REPORTS DELETED - Quantity of reports deleted. This number is subtracted from the high sequence number to obtain reports computed.

REPORTS IN ERROR - Quantity of reports rejected for errors.

REPORTS IN VARIANCE - Quantity of reports rejected for variance.

TOTAL ERRORS**TOTAL VARIANCES**

STATION PERCENTAGE ERROR AND/OR VARIANCE - Percentage of error and variance reports vs. total error and variance reports received.

INFORMATIONAL TOTALS ON FOLLOWING TYPE REPORTS: C, D, V, and 4 -Quantity of reports received with the above type report codes.

AGE OF OUTSTANDING ERROR AND/OR VARIANCE - This chart reflects the number of outstanding error and/or variance by age and the average age of these reports.

AGE OF ERROR AND/OR VARIANCE CORRECTED - This chart reflects corrected transaction. Corrected transactions are reflected by the number of days in which the transaction was outstanding and also the average days in which it took to correct the transaction.

ERROR AND/OR VARIANCE ANALYSIS, PART III:**ERROR AND/OR VARIANCE CODE - QTY - %:**

CODE = The error and/or variance code.

QTY = The quantity of errors or variances.

PERCENT - % = Percentage of errors or variances of a particular code vs. the total errors or variances received. The second portion of this report is described in **ERROR AND/OR VARIANCE ANALYSIS, PART II**, above.

ERROR AND/OR VARIANCE ANALYSIS, PART IV:

The first portion of this report is described in **ERROR AND/OR VARIANCE ANALYSIS, PART II**, above.

COMMAND RECAP - The total of all individual station statistics into a one-line view of the entire command.

ERROR AND/OR VARIANCE ANALYSIS, PART V:

The format for this report is described in **ERROR AND/OR VARIANCE ANALYSIS, PART II**, above except for the following elements:

COMMAND - Command abbreviation.

TOTAL REPORTS COMPUTED = Total high sequence number - reports deleted.

ERROR AND/OR VARIANCE ANALYSIS, PART VI:**COMMAND CODE AND NAME**

CURRENT MONTH AND PREVIOUS FOUR MONTHS ERROR VARIANCE - Percentage of error reports and variance reports per command vs. the total error and/or variance reports received for the same time period.

- This report provides the current month and four previous months.

ERROR AND/OR VARIANCE ANALYSIS, PART VII:**COMMAND CODE AND NAME**

PERCENTAGES - Percentage of total errors and variances, by code vs. the total errors and/or variances received W-W.

Sample Format A565-1 - System Error Summary, SRAN Sequence, Monthly.

Sample Format A565-2 - Error Variance Analysis, Part I, Command Sequence, Monthly.

Sample Format A565-3 - Error Variance Analysis, Part II, Command Sequence, Monthly.

Sample Format A565-4 - Error Variance Analysis, Part III, By Command, Monthly.

Sample Format A565-5 - Error Variance Analysis, Part IV, Station Recap.

Sample Format A565-6 - Error Variance Analysis, Part V, W-W RECAP, By Command.

Sample Format A565-7 - Error Variance Analysis, Part VI, Command History for Four Months.

Sample Format A565-8 - Error Variance Analysis, Part VII, W-W Percentages by Error Variance Code.

A566 - AGE OF DATA • CDB use only

PURPOSE: This TSO program selects and computes the information necessary to produce age of data reports.

PCN CED042.NOA567.A1MM Age of Data, SRAN, PART I

PCN CED042.NOA567.A2MM Age of Data, Command, PART II

PCN CED042.NOA567.A3MM Age of Data, all Commands, PART III.

Reports measured on the age of data report are: routine status transactions (R reports), 7s TCTO transactions, true configuration installation reports and configuration transactions except 6N, 6X, 6P, and 6Z.

- To access this job select option “B” from the “CEMS Technician Primary Menu”. For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CMD CODE (PARTS I, II, and III) - Major command.

SRAN CODE (PARTS I and II) - SRAN, reference SRAN directory.

SRAN DESCRIPTION (PARTS I and II) - Station name.

STATUS TRANSACTIONS - Includes status transactions, true installations, and removal on configuration engine and/or modules and 6Us.

TCTO TRANSACTIONS - 7S TCTO transactions.

CONFIGURATION TRANSACTION - Six transaction except 6N, 6U, 6Z, 6X, 6P.

TOTAL TRANSACTIONS - Total number of status, TCTO, and configuration transaction measured.

DATE OCCURRED - DATE INPUT: Date of transaction to input into contractor. (Not applicable to DLR)

DATE INPUT - DPI ADDRESS: Date input into contractor to DPI transmittal. (Not applicable to DLR)

DPI ADDRESS - RECEIPT DATE: DPI address to date receipt at OC-ALC. (Not applicable to DLR)

RECEIPT DATE - PROCESS DATE: Date receipt at OC-ALC until data processed to the CDB. For DLR, only this segment is computed.

TOTAL PROCESSING TIME - This time is computed from date occurred to process date.

NUMBER OF DAYS - Number of transactions by days for status, TCTO and configuration transaction.

AVERAGE - Average days for each type transaction.

BASE PROCESSING DATE - Number of transactions by days for each segment measured.

BATCH TRANSACTIONS - Quantity and/or average days (PARTS II and III).

TRANSACTION REMOTE PC - Quantity and/or average days (PARTS II and III).

TRANSACTION OTHERS - Quantity and/or average days (PARTS II and III).

TRANSACTION TOTAL - Quantity and/or average days (PARTS II and III).

COMMAND ABBRV (PART III) - Three position abbreviation.

Sample Format A566-1 (Part I)

Sample Format A566-2 (Part II)

Sample Format A566-3 (Part III)

A569 - MONTHLY ERROR and/or VARIANCE WORKLOAD REPORT • CDB use only

PURPOSE: This TSO job selects data from a file created by job A565 and provides a report which summarizes error and/or variance rates and resolved error percentages in three sorts; Base Summary, Tech Code Summary and Section Summary. Each sort displays a BAR chart and a numerical representation of reject, error and resolved reject percentages for bases and TILC, as well as a total line combining quantities for both. This dataset will be available the 15th of each month. Information included will be for the previous month. It provides a statistical basis for the evaluation of workload shifts within OC-ALC/TILC.

PCN: CED042.BPA569.A10M

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TRANSACTION COUNT - CE100RSG high sequence number minus current month recon count, current month CEBUA125 deletes, and configuration correction sequence numbers.

TILC REJECTS - Quantity of rejects existing in the active and inactive error files with sequence numbers for the current month and with assigned correct codes which indicate a TILC correctable reject.

BASE REJECTS - Same as above except the correct codes indicate a base correctable reject.

TILC ERRORS (Current Month) - Quantity of error codes assigned to TILC rejects.

BASE ERRORS (Current Month) - Quantity of error codes assigned to base rejects.

TILC RESOLVED (Current Month) - Rejects which were resolved by TILC.

BASE RESOLVED (Current Month) - Rejects which were resolved by the base.

TILC AND BASE REJECT % - TILC or base reject counts TRANS count. Percentages are figured one decimal place.

TILC AND BASE ERROR % - TILC or base error counts TRANS count. Percentages are figured one decimal place.

TILC AND BASE RESOLVED % - TILC or base resolved counts combined TILC and base rejects.

TILC AND BASE AVERAGE AGE (Current Month) - Average number of days elapsed from time error was detected until resolved.

PREV (A) - TILC and base transactions in the active error file with edit dates older than the current month.

PREV (I) - TILC and base transactions in the inactive error file with edit dates older than the current month.

TOTALS - All TILC and base quantities are totaled for each category.

Sample Format A569-1 (Base Summary)

Sample Format A569-2 (Tech Code Summary)

Sample Format A569-3 (Section Summary)

A570 - TCTO ON-LINE RETIREMENTS

PURPOSE: This TSO program selects TCTOs that are fully complied with and passed the rescission date and updates those TCTOs as retired or inactive. Produces the following two products.

Sample	Title	PCN
A570-1	TCTO Retirements	CEDO42.BUA570.A10M
A570-2	TCTO Candidates for Retirement	CEDO42.BUA570.A20M

To access: Log on to TSOA. At the CEMS Technician Primary Menu, select "B" for browse. At the CEMS Browse Menu, select "F" for TCTO products. At the CEMS D042F TCTO Products menu, select one of the following options:

- 1 - OC-ALC Retirements
- 2 - OO-ALC Retirements
- 3 - SA-ALC Retirements
- 4 - SM-ALC Retirements
- 5 - WR-ALC Retirements
- 6 - OC-ALC Candidates for Retirement
- 7 - OO-ALC Candidates for Retirement
- 8 - SA-ALC Candidates for Retirement
- 9 - SM-ALC Candidates for Retirement
- 0 - WR-ALC Candidates for Retirement

A570 will be updated the first of each month. Previous month's data will be deleted.

For CEMS Analyst, the options listed above create the following datasets:

CE.AP570BRW.OCCAN
 CE.AP570BRW.OCRET
 CE.AP570BRW.OOCAN
 CE.AP570BRW.OORET
 CE.AP570BRW.SACAN
 CE.AP570BRW.SARET
 CE.AP570BRW.SMCAN
 CE.AP570BRW.SMRET
 CE.AP570BRW.WRCAN
 CE.AP570BRW.WRRET

DESCRIPTION OF OUTPUT DATA**TCTO RETIREMENTS:**

DATA CODE

TCTO NUMBER

RETIREMENT INDICATOR: System assigned.

- 1 = Ready to retire
- 2 = Retired
- 3 = Rescinded
- 4 = Tape - ready (history)
- 5 = Tape - retired (history)

COMPLETION DATE - Six position numeric (MMYYYY) (ex. 021999)

STATUS DATE - Seven position numeric (YYYYDDD) (ex. 1999032)

TCTO CANDIDATES FOR RETIREMENTS:

TCTO NUMBER

DATA CODE

CII

SERIAL NUMBER

Sample format A570-1

Sample format A570-2

A575 - RETIRE TCTOs TO TAPE • CDB use only

PCN: CEDO42.BUA575.A1TM

PURPOSE: This TSO program selects TCTOs that have been retired over 60 days and their applicable serial numbers. This data is formatted and sorted by CII/data code/serial number and merged into retired TCTO tape (CEDO42.BUA575.A1TM) file, while simultaneously deleting all segments under TCTO master (CE104RSG) as well as serial number status record (CE102140).

A582 - BUILD OFF-LINE AUTOMATED HISTORY • CDB use only

PURPOSE: This program, semi-annually pulls all CE102180/190 segments over two years old off the database and stores the segments in files for use with report product E408.

A590 - SELECT AND PRODUCE ENGINE MANAGER DATA (A600)

PCNs: CEDO42.BUA600.A10D Engine Manager Data List: (EMDL)

CEDO42.NOA600.A01D Daily Transaction Summary: (DTS)

PURPOSE: This TSO program selects and formats engine manager data and produces a Daily Engine Manager Data List for the prior 30 days in five parts, if applicable.

•To access this job select option "L" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS FOR EMDL:

ENGINE DESIGNATION - TMSM

SERIAL NUMBER

POSS ACT - Possessing Activity - SRAN.

ACC CODE - Ownership account code.

TY RP - Type report.

DATE YR DAY - Date of transaction (YYDDD).

SEQ MO NR - Sequence number - first two positions = month, last five = number.

ENG STS - Engine status = TCC.

INTR ACTVY - Activity engine being shipped from.

TCN AND/OR DOCUMENT NUMBER - Transportation control number or document number.

REP ENG SERIAL NUMBER - Repairable engine or module S/N.

END ITEM DATA DESIG /SERIAL NUMBER - This field will contain an aircraft MDS and S/N.

ENG POS - Engine position.

ENG TIME - Engine time.

DESCRIPTION OF OUTPUT DATA ELEMENTS FOR DAILY TRANSACTION SUMMARY:

PURPOSE: This TSO program selects and formats a Daily Transaction Summary (DTS) for the prior 30 days.

CII

SERIAL NUMBER

DATE OF TRANS (YDDD)

AG - Age of Transaction

C/OR - Command Code and Organization

A/T - Ownership Account Code/Type Report

TO/FRM - SRAN Shipped to

CONT - Type Container Engine shipped in

NHA CI/SERIAL-NO - Aircraft MDS and Serial Number

SEQ-NR - First two positions = month, last five = number

AGE AVERAGE - Date and time of transaction divided by date processed.

Sample Format A590

A601 - SRAN DIRECTORY

PURPOSE: This TSO program selects address data from the base record and produces the SRAN directory in five parts. It is accessed through TSO browse - Option B.M.2. PART I, by station number, PART II, by station name, PART III, by SAP country code, PART IV, by agency code and PART V, Point of contact for engines by TMSM.

TITLE	PCN
SRAN DIRECTORY BY STATION NUMBER	CEDO42.NOA602.A1MS, PART I
SRAN DIRECTORY BY STATION NAME	CEDO42.NOA602.A1MS, PART II
SRAN DIRECTORY BY SAP COUNTRY CODE	CEDO42.NOA602.A1MS, PART III
SRAN DIRECTORY BY AGENCY CODE	CEDO42.NOA602.A1MS, PART IV
SRAN DIRECTORY, POINT OF CONTACT FOR ENGINES BY TMSM	CEDO42.NOA602.A1MS, PART V

DESCRIPTION OF OUTPUT DATA ELEMENTS:**PART I, BY STATION NUMBER**

STA NO. station number - SRAN

CMD - Command abbreviations

STATION NAME AND/OR LOCATION - base name and address.

ENGINE MANAGER - Engine manager, alternate engine manager name and office symbol.

DUTY PHONE - DSN or commercial phone number with extension if applicable, fax/DSN and e-mail address.

PART II, BY STATION NAME

SRAN NUMBER - Station number - SRAN

CMD - Command abbreviation

STATION NAME - Base name.

STATION LOCATION - Name and address of station.

PART III, BY SAP COUNTRY CODE

CODE - SAP country code.

COUNTRY - Country name.

PART IV, BY AGENCY CODE

CODE - Agency code.

AGENCY - Agency name.

PART V, POINT OF CONTACT FOR ENGINES BY TMSM

TMS - Can be TMSM, TMS, or TM with a footnote if applicable.

EIM - EIM name and phone (normally DSN)

PEMO - Prime Engine Management Office

POINT OF CONTACT DATASET FILE UPDATE INSTRUCTIONS (FOR TILC USE ONLY)

At CEMS Technician Primary Menu key in S, enter - At job number, key in MMEDIT, enter, DSN is C for "CE.AM602001.EIMDIR" - enter and begin updating using standard add, change or delete modes.

The following options will be available:

- (1) Add new line of data.
- (2) Change existing data.
- (3) Delete line of data.
- (4) Inquiry on data.

A line of data consists of 110 characters. If system goes down, new data may be lost. To prevent loss of data occasionally move cursor to HOME position, key in the word SAVE and press ENTER.

After data is changed return to CEMS Technician Primary Menu, key in S - enter - At job number, key in A601 - enter.

DATA FIELD NAMES	LENGTHS
ENGINE DESIGNATION AND NOTE	25 Position alphanumeric (A/N) left justified, right filled with spaces
EIM NAME/TELEPHONE NUMBER	32 Position A/N, left justified, right filled with spaces (begins at position 26)
PEMO NAME/TELEPHONE NUMBER	32 Position A/N, left justified, right filled with spaces (begins at position 58)
UNTITLED	21 Position A/N, left justified, right filled with spaces (begins at position 90)

NOTE LINE: Use the word NOTE: in column 1 in edit mode allows 106 characters per line entry.

SPACING: Automatically double-spaced but will revert to single space when the first position of each subsequent line of data entry is left blank.

A620 - ENGINE CONFIGURATION UPDATE • CDB use only

PURPOSE: This TSO program updates the configured item file via remote terminal entry. It will establish engine configuration, engine change configuration, copy a new MDS for all part numbers applicable, and delete any MDS not applicable to certain part numbers.

NOTE: This job is restricted to full TSO user IDs for OC-ALC/TILC users and is processed by JCL input.

- Use standard TSO entries to access the proper or required data sets and JCL to process engine configuration for parts tracked engines and engines with modules or lower assemblies.
- At the CEMS Inquiry Selection screen enter "MMEDIT" in the JOB NUMB field. When the "CEMS General Purpose ISPF Panel" appears select "G" then press "ENTER". The "CE.AM620001.CONFIG" screen will then appear; select as desired, any data set name (i.e. F100) by keying in an "S" to the left of the name, press "ENTER". When the data set appears, the data can be modified as desired by adding, deleting or typing over the existing data.
- If a new engine (TMSM) for tracked parts is added, enter an "S" and the TMSM required in the command input field (HOME position) of the edit "CE.AM620001. CONFIG Screen". Press "ENTER" and the new TMSM will be added to the list.
- After the new TMSM is added, key in an "S" to the left of the new TMSM and press "ENTER". This process will give you the new blank data set. Enter all the CIIs, TMSMs, and engine ID for all the tracked parts. Enter the engine CII first, then all accessory CIIs, then each module followed by their NLAs in sequence. It is easier to copy an already existing data set by entering "COPY F100" in the HOME position, "ENTER" then overtype all CIIs, TMSMs, and engine IDs and then delete excess data or add more as required.
- After the new data set is built, go back to "CEMS General Purpose Panel" and enter "MMSUB" in the Command field, press "ENTER". The job assigned to process the configuration will appear at the bottom of the JCL data. Press "ENTER" then wait for the job to run. When the job appears on the output queue, enter the job name "CESKF" and job ID in the "VIEW" (Outlist Utility) screen. You may delete the job or print the job as desired.
- To check and review the configuration, log off TSO and log on IMS. (Use program A251)
 Enter/FOR CE0AA251
 For the Root Segment enter "CE 103 RSG E AF10010"
 Press ENTER
 For the Second Level enter: 140 G
 Press ENTER
 This screen will show you the engine with all its NLAs.

 For the modules and their NLAs enter "CE 103 RSG E DF10030"
 Press ENTER
 For the Second Level enter: 140 G
 Press ENTER
 This screen will show you the first module with its NLAs.
 You may enter each module CII to review its NLAs.
- All new CIIs and WUCs must be established in the 103RSG record via program A305 (/FOR CE0AA305) and the new TMSM/ID and family group code must be established in the TMSM engine ID record via program A315 (/FOR CE0AA315) prior to the configuration of a new TMSM.
- To delete or add an MDS to all applicable part numbers for a specific CII, obtain the COPYMDS data set, enter an "S" beside the word COPYMDS, press "ENTER". When the data set appears, overtype the old MDS and new MDS with the proper MDS to be copied. For delete MDS follow the same above instructions. To process the job, go to the CEMS General Purpose Panel and type COPYMDS or DELETMDS as desired, then submit the job.
- To verify the COPYMDS or DELETMDS process, log off TSO and use IMS program EM02 (/FOR CE0AEM02) to see if the MDS was deleted or added to all part numbers for a specific CII by entering the CII and organization code. Any CII may be reviewed for that MDS applicability.

Sample Format A620-1
 Sample Format A620-2

Sample Format A620-3
Sample Format A620-4
Sample Format A620-5
Sample Format A620-6
Sample Format A620-7
Sample Format A620-8

A625 - MASS PART NUMBER CHANGE • SA-ALC, OC-ALC Use Only

PURPOSE: This TSO program provides a means to do a mass update of part numbers in serial number records.

Option 1 - Change part numbers for all MDS if the MD field is left blank.

Option 2 - Change part numbers for only the specified MD.

INPUT DATA ELEMENTS:

CII - 7 Position CII.

OLD PART NUMBER - Up to 15 position part number.

NEW PART NUMBER - Up to 15 position part number.

MDS - 4 Position MD, such as F015 or F016.

Sample Format A625

A700 - SHIPPING DEVICE TRACKING

PURPOSE: This IMS program selects, updates (add, change, update, and delete) or prints the shipping device tracking record. For the appropriate transaction code this job will establish a shipping device tracking record, modify certain data elements (except SRAN and NSN) update total quantities, delete a record, inquire NSN, history search, or history recall with option to print.

ENTER: /FOR CE0AA700

OPTIONS: I - INQUIRY NSN A = ADD new NSN C = MODIFY NSN D - DELETE NSN G - HISTORY SEARCH U - BUILD (new document and update NSN) H - HISTORY RECALL (last update)

REQUIRED FIELDS to INQUIRE:

OPTION - I

SRAN

NSN

REQUIRED FIELDS to ADD a new NSN:

OPTION - A.

SRAN - Activity establishing record.

NSN

NOUN - Item description (i.e. trailer, adapter, and container).

TMS - (i.e. TF33).

LEVEL - Optional field to establish levels (Must be numeric).

- Enter total quantities on hand in the various condition columns listed under the supply, maintenance, and other categories.

REQUIRED FIELDS to MODIFY: (SRAN and NSN cannot be changed, as this is the program key. Quantities can only be changed with the update "U" option after the CE106RSG has been established)

OPTION - C.

NOUN - Option to change.

TMS - Option to change.

LEVEL - Option to change (Must be numeric).

REQUIRED FIELDS to DELETE: (Will delete only if all condition columns listed under the supply, maintenance, and other categories are zero balance. Use Option "U" to zero out balance.)

OPTION - D

SRAN - Activity deleting record.

NSN

REQUIRED FIELDS to SEARCH HISTORY:

OPTION - G.

SRAN - Activity researching history.

NSN

SEARCH KEY - Input Julian date (i.e. 98001), continue to press "ENTER" until you reach last update record.

REQUIRED FIELDS to BUILD a new document number and update NSN:

OPTION - U.

SRAN - Activity updating NSN record.

NSN

DOC-NUM - Document number used to debit or credit the NSN record.

TRAN-DATE - Date of transaction.

- Totals are adjusted by using plus (+) or minus (-) sign and numeric adjustment. If the fields are left blank totals will remain unchanged. Balances cannot go negative and the last update key will be maintained automatically on the document number and transaction date of the update transaction. Adjustment action will be made directly under the last line of print.

REQUIRED FIELDS to do a HISTORY RECALL:

First, INQUIRE on SRAN and NSN using option "I", if you want to inquire last history transaction, use option "H".

Sample Format A700

A750 - SHIPPING DEVICE SUMMARY

PURPOSE: This IMS program selects and formats engine shipping device data to provide visual display entitled shipping device summary by SRAN. Program will provide asset posture of engine trailers, adapters, containers, for each ALC, base or contractor.

ENTER: /FOR CEOAA750

REQUIRED FIELD:

SRAN

DESCRIPTION OF OUTPUT DATA ELEMENTS:

NSN

TMS - (i.e. TF33)

SUPPLY - Engine and/or devices stored in supply.

REP-INST - Repairable installed.

SER-INST - Serviceable installed.

REP-EMTY - Repairable empty.

SER-EMTY - Serviceable empty.

CNDM - Condemned

MAINTENANCE - Engine and/or devices issued to maintenance.

SER - Serviceable

REP - Repairable

CNTR - Contractor

OTHR - Other - special devices (i.e. wooden crates).

NSN TOTALS - Total quantity by NSN for a particular SRAN.

Sample Format A750

DUPSN - CEMS SUSPECTED DUPLICATE SERIAL NUMBERS

PURPOSE: This TSO program provides serial numbers of suspected/potential duplicates within the inventory for the requested CII(s).

- To access this job, select option "S" from the "CEMS Technical Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII If complete CII is entered, only that CII will be searched for potential duplicate serial numbers. If first 5 characters of CII are entered, all CIIs beginning with those characters will be searched.

INCLUDE "M" SERIAL NUMBERS - If "N" is selected, all serial numbers beginning or ending with "M" will be excluded from the report.

SORT SEQUENCE - SRAN, Command, CII, and date established may be selected as the major sort (and total) field.

TRANSFER - IF "Y" is entered, a file instead of a report is created.

OPTIONAL SELECTION CRITERIA - Any combination of the criteria may be selected to limit the serial numbers appearing on the report:

SRAN: A 4 character SRAN may be entered.

UNIT: If unit is entered, SRAN should also be inserted.

MAJOR COMMAND: A 2 character maj command may be entered.

SERVICEABILITY STATUS CODE: "M" or "S" may be entered.

CONDEMN FLAG: "X" may be entered.

PREFIX: A 1 character alphabetic prefix may be entered.

SUFFIX: A 1 character alphabetic suffix may be entered.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII
 SERIAL NUMBER
 SRAN
 OWNING ORGANIZATION
 COMMAND
 SERVICEABILITY STATUS CODE
 NHA CII
 NHA SERIAL NUMBER
 CONDENSED FLAG
 DATE ESTABLISHED
 SRAN COUNT
 GRAND TOTAL COUNT

Sample Format DUPSIN

2-7 D042B (Inventory) Products**B001A - MONTHLY REASON FOR RETURN TO OVERHAUL REPORT****PCNs:**

CED042NPB001A1MM - by Command
 CED042NPB001A2MM - by ALC

PURPOSE: This TSO program provides information to the EIM on the reason bases are returning engines to the depot for major overhaul.

- Use the browse capability to view this report (option "B.B" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ENGINE DESIGNATION - TMSM
 END ITEM DESIGNATION - MDS
 TRANS COND
 RETURN TO O/H REASON
 CMD
 SRAN DESCRIPTION
 SRAN NR
 ENGINE SERIAL NUMBER
 HRS SINCE O/H - TSO
 CYCLE TIME - Cycles since overhaul
 NR PREV O/H - Total previous overhauls
 NR PREV F/M - Total previous field maintenance
 LAST O/H AGENCY - SRAN
 DATE OF O/H RPT - (YYDDD)

Sample Format B001A-1 (AFR/ANG)

Sample Format B001A-2 (OC-ALC)

B002A - MONTHLY AWAITING RETURN TO OVERHAUL REPORT

PCN: CED042NPB002A1MM

PURPOSE: This TSO program provides information to the EIM on the quantity and date received sequence of all reparable engines awaiting depot overhaul.

- Use the browse capability to view this report (option "B.B" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ENGINE DESIGNATION - TMSM

END ITEM DESIGNATION - MDS

TRANS COND

RETURN TO O/H REASON

CMD

SRAN DESCRIPTION

SRAN

ENGINE SERIAL NUMBER

HRS SINCE O/H - TSO

CYCLE TIME - Cycles since overhaul

NR PREV O/H Total previous overhauls

NR PREV F/M Total previous field maintenance

LAST O/H AGENCY - SRAN

DATE OF O/H RPT

Sample Format B002A

B003A - MONTHLY PROPULSION UNIT REPARABLE REPORT**PCNs:**

CED042NPB003A1MM - ALC

CED042NPB003A2MM - MOB

CED042NPB003A3MM - CMD

PURPOSE: This TSO program is used for maintenance and support action to prevent engines from remaining in a reparable status too long. The product reflects the history of each engine from the time it is reported reparable until it is reported serviceable or installed. The report provides Command engine managers a listing of reparable engine under their jurisdiction.

- Use the browse capability to view this report (option "B.B" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TMSM

SERIAL NUMBER

ENG ITEM DESIGNATION

REPORT SEQ

MAJOR CMD

SRAN

STATION NAME

LAST OVH AGENCY/SRAN

LAST OVH AGENCY/SRAN NAME

CYCLE TIME

TCC

TYPE REPT

AS OF DATE

REMOVAL CODE

REMOVAL DESCRIPTION

OPER TIME - TSO

Sample Format B003A-1 (OC-ALC)

Sample Format B003A-2 (MOB)

Sample Format B003A-3 (AFE)

B004A - WEEKLY NMCS UNINSTALLED ENGINE STATUS REPORT by SN, ALC and CMD

PCNs:

CED042NPB004A1MW - NMCS by engine S/N

CED042BUB005A1MW - NMCS by ALC, family group

■ CED042BUB005A1MWA - NMCS by ALC, family group (base only SRANs)

CED042BUB005A2MW - NMCS by CMD, family group

PURPOSE: This TSO program provides data for surveillance and control of work stoppage conditions resulting from non-availability of spare parts. Serves as a basis for analysis of engine and spare parts logistics by Command.

- To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1. This program is a CDB internal operating program and is provided for user information only.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ENGINE SERIAL NUMBER

ENGINE FAMILY GROUP

CMD

SRAN

SRAN NAME

ACCOUNT CODE

TYPE REPORT

ENGINE STATUS TCC

AS OF DATE

SEQUENCE NUMBER

FAMILY GROUP

SRAN

ON HAND - Total number of uninstalled serviceable engines with condition codes R and B and reparable engines with condition codes F, G, K, and L.

CLEARED NO - Total number of engines cleared from NMCS status during the report period.

CLEARED AV-DA - The average number of days cleared engines were in NMCS status.

OUTSTANDING NO - Total of engines in a NMCS status as of the end of the reporting period.

OUTSTANDING PERCENT - Percentage of engines in NMCS status as of the end of the reporting period.

NMCS AGE IN DAYS - Qty of engines in a NMCS status at the end of the reporting period, by five days increments up to 31 days.

ASSET DAYS - Total uninstalled days of serviceable and reparable NMCS engines as of the end of the reporting period.

NMCS DAYS - Total NMCS days of serviceable and reparable engines within the reporting period.

NMCS PERCENT - Total is computed by dividing the asset days into the NMCS days.

TOTAL LINES - Totals by family group for the reporting period.

AVERAGE DAILY RATE - Computed by dividing the number of days in reporting period into total asset days and NMCS, days respectively.

AVERAGE NMCS PERCENT - Computed by dividing daily rate asset days into daily rate NMCS days.

Totals by family group for previous five months.

CMD, FAMILY GROUP, AND SRAN - Same as above except each family group is computed by Command.

Sample Format B004A-1 (S/N)

Sample Format B004A-2 (OC-ALC)

■ Sample Format B004A-2A (OC-ALC.BASE)

Sample Format B004A-3 (CMD)

B005A - MONTHLY PROPULSION UNIT INVENTORY-WORLD WIDE**PCNs:**

CED042NPB005A1MM - By engine classification and type
 CED042NPB006A1MM - By engine classification, type model, family group, and series
 CED042NPB007A1MM - By engine classification, type model, family group, series, and account
 CED042NPB008A1MM - Zone of interior by engine classification and account
 CED042NPB009A1MM - Overseas by engine classification and account
 CED042NPB010A1MM - Worldwide by account

PURPOSE: This TSO program provides inventory of installed and uninstalled engine by status, location, and condition. Indicates gains, losses, and those engines intransit.

- To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ENGINE

ACCOUNT

PART I - Type Engine

PART II - Engine TMSM

PART III - Engine TMSM (Same as PART II account by ownership account)

PART IV - Engine Classification: Identifies the type engine code:

A-Jet

B-Jet Missile

C-Jet Drone

H-Turbo 02A

PART V - Engine Classification (Same as PART IV)

PART VI Account - Ownership account

SERVICEABLE RAW- Totals for TCCs AR, BR, CR, DR, FR, GR, HR, JR, KR, LR, MR, NR, PR, PB, PG, PF, PK, NR, RR, and ER.

SERVICEABLE B-U (Built-Up) - Totals for TCCs AB, BB, CB, DB, FB, GB, HB, JB, KB, LB, MB, RB, EB, and PB.

SERVICEABLE D-IN (Due-In) - Total engine status reports have been received at OC-ALC with TCCs SR, SB, TR, TB, by engine ID.

SERVICEABLE TOTAL - Total number of engines from above

REPARABLE RAW - Totals for TCCs AG, BG, CG, DG, FG, GG, HG, JG, KG, LG, MG, NG, RG, EG, and PG

REPARABLE B-U (Built-up) - Totals for TCCs AF, BF, CF, DF, EF, GF, HF, JF, KF, LF, MF, NF, RF, and PF

REPARABLE O/H (Overhaul) - Totals for TCCs MK, NK, RK, HK, GK, JK, EK, DC, LC, MC, NC, RC, LK, CL, DL, KL, LL, ML, NL, RL, HL, PL, GL, JL, EL, and PK

REPARABLE D-IN (Due-In) - Totals for TCCs SF, SG, SK, SL, TL, and SC

REPARABLE TOTAL

UNINST TOTAL

OBLG INST (Obligated to Install) - Number of installed engines required to fill on-wing requirements

NET SPARES - UNINST TOTAL minus OBLG INST

INSTALLED ACTIVE - Totals for TCCs AA, CA, MA, RA, UA, and VA

INSTALLED INACTIVE - Totals for TCCs AZ, CZ, MZ, NZ, RZ, and VZ

INSTALLED D-IN (Due-In) - Totals for TCCs SA, SZ, TA, and TZ

INSTALLED TOTAL

TOTAL UNITS

FAMILY GROUP TOTALS (PART II only) - Totals for all interchangeable series within type and model of engines for which assets may be combined for resupply Purposes.

Sample Format B005A-1 (Part I)
Sample Format B005A-2 (Part II)
Sample Format B005A-3 (Part III)
Sample Format B005A-4 (Part IV)
Sample Format B005A-5 (Part V)
Sample Format B005A-6 (Part VI)

B011A - MONTHLY SERIALIZED LOSS, GAIN, MODIFICATION REPORT**PCN:** CED042NPB011A1M

PURPOSE: This TSO program produces a serialized report of all Air Force and non - Air Force losses, gains, and modifications.

- To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TMSM

SERIAL NUMBER

MAJ CMD

SRAN

SRAN DESCRIPTION

ACCT CODE

TCC

TYP RPT

ACTION DATE

LOSS TO/OR GAIN FROM - The CMD code and SRAN that the engine is being lost to/or gained from

NHA DESIGNATION - MDS or TMSM

NHA SERIAL NUMBER

DOCUMENT NUMBER - Number assigned to any official document used to gain or lose an engine

Sample Format B011A

B012A - SEMI-ANNUAL CUMULATIVE SERIALIZED LOSS REPORT

PCNs:

CED042.NPB012.A1MS

CED042.NPB012.A2MS

PURPOSE: This TSO program provides a cumulative listing of engine losses by engine designation and by reason for loss or inactive status.

- To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TYPE MODEL

SERIES

LOSS OR INACTIVE - Engine total by type model

SALVAGE - Engine turned in to the defense property disposal office

RECLAIMED PARTS - Loss because parts have been reclaimed

ATTRITION - Loss due to crash, fire, combat, transportation, firing, or launching

SPECIAL PROJECT

OTHERS - All other losses

CUMULATIVE SERIALIZED LOSSES

TMSM

SERIAL NUMBER

MAJOR CMD

SRAN

SRAN NAME

ACC CODE

TRANS COND CODE

AS OF DATE - Julian date

LOST TO CMD

LOST TO SRAN

END ITEM DESIGNATION - MDS or TMSM of the NHA

END ITEM SERIAL NUMBER

DOCUMENT NUMBER - Number assigned to any official document used to move an engine

Sample Format B012A-1

Sample Format B012A-2

B013A - MONTHLY PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT

PCNs: TITLE

CED042.NPB013.A1MM - by EIM Code

CED042.NPB013.A2MM - by ALC

CED042.NPB013.A3MM - by CMD

PURPOSE: Monthly report by EIM reflects the status of each engine reported on the last day of the month. It also shows the location of the engine, if installed it shows the MDS and S/N of the aircraft, if transit to what SRAN. Report by ALCs provides the EIM a serialized listing and quantitative totals of engines for which they are prime. Report by Command will furnish complete information on current inventory and status of each engine.

- To access this TSO program select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TMSM

SERIAL NUMBER

MAJ CMD

SRAN

SRAN DESCRIPTION

ACCT CODE

TRANS COND CODE

TYP RPT

ACTION DATE

AS OF DATE

TO OR FROM CMD

TCN AND/OR DOC NUMBER - Number assigned to document for shipment of engines

OPERATING TIME - TSO

OTHER TIME - Cycles since overhaul

END ITEM DESIGNATION - MDS or TMSM of the NHA

END ITEM SERIAL NUMBER

POSITION NUMBER

Sample Format B013A-1

Sample Format B013A-2

Sample Format B013A-3

B013B - MONTHLY PROPULSION UNIT FOD REPORT

PCN: CED042BUB013A1MM

PURPOSE: This TSO program provides data to evaluate the rate and extent of engine removals resulting from FOD. Also, lists major overhauls by type aircraft. The report is by SRAN and shows all usage removals and FOD removals for that base. The usage removals are listed for the present month's report and are used in obtaining the percent FOD. The FOD removals are listed for the present month and also a six-month history for all engines and bases.

- To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

SRAN DESCRIPTION

SRAN

ENGINE DESIGNATION - TMSM

END ITEM DESIGNATION

ENGINE SERIAL NUMBER

CMD

DATE REPORTED

REMOVAL REASON: METAL and/or STONE IN ENGINE - Damage by solid foreign objects (metal, stone)

BIRD IN ENGINE - Damage by semi-solid foreign objects (birds)

ICE IN ENGINE - Damage by semi-solid foreign objects (ice)

RAG and/or PLASTIC IN ENGINE - Damage by semi-solid foreign objects (rags, plastics, rubber, etc)

TYPE REPORT

OPERATING TIME - TSO

TOT USG REM - Total removals for the engine and/or aircraft combination for the month

TOT FOD - Number of FOD removals reported for the engine and and/or or aircraft combination for the month

PERCENT FOD - Percentages of FOD removals compared to usage removals

TOTAL FM - Number of engines removed for field maintenance

TOTAL O/H - Number of engines removed for major overhaul

FOD PREV SIX MONS - Total FOD history for the previous six months by month

SRAN TOTALS

Sample Format B013B

B014A - SEMI-ANNUAL PROPULSION UNIT INVENTORY MONETARY SUMMARY REPORT

PCN	TITLE
CED042.NPB014.A1MS	MONETARY SUMMARY
CED042.NPB014.A2MS	REQUIREMENTS INVENTORY ANALYSIS REPORT (RIAR)

PURPOSE: Semi-annual reports, dated 31 Mar and 30 Sep (produced on 15 Apr and 15 Oct), provide information for reporting to congress the quantitative amounts and monetary values of engines in the inventory. This program is a CDB internal operating program and is provided for user information only.

- To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

The heading lines identify the report and reflect such data as report period, major sequence of the report, and product number. Monetary summary reports are output by accounts in two categories - Family Group (parts I, III, V) and Federal Stock Class (FSC) (parts II, IV and VI). The two categories are broken down into three segments each; by all accounts, Air Force accounts, (A, B, C, E, G, L, K, N, R, S and Z) and non-Air Force accounts (D, H, J, F, T, and W except P). The following is a description of the contents of each column by (1) Family Group and (2) FSC.

(1) ACCOUNTS BY FAMILY GROUP:

PART I - All accounts
 PART III - Air Force only
 PART V - Non-Air Force only

TOTAL QUANTITY AND DOLLARS ARE SHOWN FOR EACH FAMILY GROUP FOR:

(a) Serviceable:	Base - ZI Base - OS Depot	(b) Repairable:	Base - ZI Base - OS Depot Contractor
(c) Overhaul:	Base - ZI Base - OS Depot Contractor	(d) Intransit:	Serviceable Reparable Overhaul Procurement
(e) In use installed:	Base Depot Contractor		

(2) ACCOUNTS BY FSC:

PART II - All accounts
 PART IV - Air Force only
 PART VI - non-Air Force only

TOTAL QUANTITY AND DOLLARS FOR: FSC 2840

Sample Format B014A-1 - Part I - All Accounts by Family Group
 Sample Format B014A-2 - Part II - All Accounts by FSC
 Sample Format B014A-3 - Requirements Inventory Analysis Report

B015A - MONTHLY PROPULSION UNIT DISTRIBUTION SUMMARY REPORT

PCNs:

CED042.NPB015.A1MM - by ALC PART I

CED042.NPB015.A2MM - by ALC PART II

CED042.NPB016.A1MM - by CMD PART I

CED042.NPB016.A2MM - by CMD PART II

PURPOSE: This TSO program provides the EIM the total number of engines within accounts of reporting activities and total number of engines by prime ALC, family group, theater, and account. Report also provides Command EIMs with current inventories by SRAN for evaluation of engine asset position. This report reflects Command inventories by status, pipeline location and condition. The following is a description of the contents of each column by (1) SRAN and engine designation totals within family group and (2) theater and account totals within family group. This program is a CDB internal operating program and is provided for user information only.

- To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

SRAN AND ENGINE DESIGNATION TOTALS:

SRAN - The four-position number of the activity possessing the item being reported.

SRAN NAME - The abbreviated name of the activity possessing the item being reported.

TMSM - Engine designation.

SERVICEABLE RAW - Total without QEC kits. TCCs AR, BR, CR, DR, FR, HR, JR, KR, LR, MR, NR, PR, RR, and ER

SERVICEABLE B-W - Total built-up with QEC. TCCs AB, BB, CB, DB, FB, GB, HB, JB, KB, LB, MB, RB, EB, and PB

SERVICEABLE TOT - Total of RAW and B-W

FIELD REPARABLE QEC - Repairable at base level with QEC, TCCs AF, BF, CF, DF, EF, GF, HF, JF, KF, LF, MF, NF, RF, and PF

FIELD REPARABLE W/O-Q - Repairable at base level without QEC, TCCs AG, BG, CG, DG, FG, GG, HG, JG, KG, LG, MG, NG, RG, EG, and PG

FIELD REPARABLE TOT - Total of QEC and W/O-Q

DEPOT REPARABLE MIN - Items requiring minor repair beyond base level capabilities, TCCs MK, NK, RK, HK, GK, JK, EK, LK, and PK

DEPOT REPARABLE MAJ - Items requiring major repair or overhaul, TCCs CL, DL, KL, LL, ML, NL, RL, HL, GL, JL, PL, and EL

DEPOT REPARABLE CND - Items reported as condemned by the depot, TCCs LC, MC, NC, RC, YC, XC, RC, and PC

DEPOT REPARABLE TOTAL - Total of MIN, MAJ

UNINST TOTAL

OBL (Obligated To Install) - Number of engine positions in the end item that do not reflect installed engine data.

NET SPARES - Uninstalled total minus the obligated to install.

DUE-IN SERVICEABLE - TCCs SR, SB, TR, and TB

DUE-IN REPARABLE - TCCs SF, SG, SK, SL, TL, and SC

DUE-IN INSTALLED - TCCs SA, SZ, TA, and TZ

INSTALLED ACTIVE - TCCs AA, CA, MA, RA, UA, and VA

INSTALLED INACTIVE - TCCs AZ, CZ, MZ, NZ, RZ, and VZ

INSTALLED TOTAL

TOTAL UNITS

THEATER AND ACCOUNT TOTALS:

Z-I - Total engines in this family group within the zone of interior.

O-S - Total engines in this family group located overseas.

W-W - Total engines W-W in this family group.

Sample Format B015A (By ALC PART I)

B018A - MONTHLY ENGINE FAILURE UNDER 100-HR REPORT

PCNs:

CED042.NPB018.A1MM - OC-ALC

CED042.NBP018.A2MM - SA-ALC

PURPOSE: This TSO program produces a monthly report of uninstalled engines that have accrued less than 100 hours of operation.

NOTE: This program is a CDB internal operating program and is provided for user information only.

•To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TMSM

SERIAL NUMBER

CMD

SRAN

SRAN DESCRIPTION

TRANS COND CODE

TRANSACTION DATE

HOURS - TSO

OVERHAUL DATE

OVERHAUL SRAN

REASON for REMOVAL CODE

RETURN TO OVERHAUL CODE

Sample Format B018A

B019A - MONTHLY CANNIBALIZATION PARTS REGISTER**PCNs:**

CED042NPB019A50M - by TMSM and S/N for AMARC

CED042NPB019A10M - by TMSM and S/N for OC-ALC

CED042NPB019A20M - by TMSM and S/N for SA-ALC

CED042NPB019A30M - by TMSM and NSN for OC-ALC

CED042NPB019A40M - by TMSM and NSN for SA-ALC

PURPOSE: This TSO program provides EIM data on items cannibalized from an engine by TMSM and S/N and by TMSM and NSN input by 2L transaction on A205.

•To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TMSM

SERIAL NUMBER

CMD

SRAN

ACCOUNT

TRANSACTION DATE - Julian date

SEQUENCE NUMBER

STOCK NUMBER

TOTAL BY TMSM

No Sample format for this product.

B021A - MONTHLY REPARABLE ENGINE OVERHAUL LIST

PCNs:

CED042NPB021A10W - OC/ALC

CED042NPB021A20W - SA-ALC

PURPOSE: This TSO program provides a listing of reparable engines in TMS and date received sequence. Product is used by base engine manager in selection of available reparable engines for overhaul, to insure oldest stored engines are input first, and to identify available reparable engines.

•To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TMSM

ENGINE SERIAL NUMBER

TRANSACTION AS OF DATE - Julian date

NHA DESIG - MDS or TMSM

TRANS COND CODE

CMD

REASON FOR REMOVAL

HRS SINCE O/H - TSO

CYCLE TIME - Cycles since overhaul

NR PREV O/H - Total number of previous overhauls

NR PREV F/M - Total number of previous field maintenance actions

LAST O/H SRAN

DATE OF O/H

S/S CD - Special Status Code

Sample Format B021A

B022A - WEEKLY ENGINE INSPECTION REPORT**PCN: CED042BRB022A10W**

PURPOSE: This TSO program produces a weekly report of engines that require inspection and representation action.

- **NOTE:** This program is a CDB internal operating program and is provided for user information only. Information input through job A222 includes only representation code K01.

- To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

INSPECTION

STORAGE

DUE DATE

DEL DAYS - Number of days inspection is delinquent

TMSM

ENGINE SERIAL NUMBER

SRAN

OWNING

TRANS COND

TYPE

No Sample Format for this product.

B023A - MONTHLY ENGINE REPRESENTATION REPORT

PCN: CED042BRB023A10M

PURPOSE: This TSO program produces a monthly report of engines requiring inspection and representation action. Information is input by A222.

NOTE: This program is a CDB internal operating program and is provided for user information only.

- To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TMSM

ENGINE SERIAL NUMBER

CMD

OWNING

TRANS COND

REPRESENTATION CODE

TYPE CONTAINER

STORAGE

DEL DAYS - # of days inspection is delinquent

Sample Format B023A

B026A - QUARTERLY TMSM AND/OR MDS RATIO

PCN: CED042BRB026A1SQ

PURPOSE: Quarterly program shows number of engines by TMSM and family group code combinations by MDS. The product is sorted by TMSM, family group code, and MDS (first half) and then by MDS, TMSM, and family group code. Only engines with account codes of A (general account), N (ANG), G (GFP), and R (AFR) are included, loss and condemned engines are excluded.

- To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TMSM

Family Group

Aircraft MDS

S/N Total - By TMSM and/or family group code and/or MDS and account codes of A, N, G, or R, excluding loss and condemned assets

Sample Format B026A

B031 - AIRCRAFT MISHAP REPORT

PCN: CED042BRB031A10A

PURPOSE: Produces an output product titled "Aircraft Mishap Report", that provides engine data pertaining to a given aircraft MDS and/or S/N for assessment of aircraft mishaps.

- **NOTE:** To access this job use the "S" option on the "CEMS Technician Primary Menu". This job submitted under CEB031. For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

SELECTION CRITERIA THAT CAN BE SPECIFIED ARE:

MDS - Seven position, right justified

A/C Serial Number - Ten position

DESCRIPTION OF OUTPUT DATA ELEMENTS:

MDS

A/C SERIAL NUMBER

ENGINE SERIAL NUMBER

TSM

POS INST

LAST DEPOT MAINTENANCE - Last date, type, and reason for last depot maintenance.

LAST FIELD MAINTENANCE - Last date, type, and reason for last field maintenance.

TSN

TS-O/H - TSO

TS-INS - Engine time since installed

OUTSTANDING TCTOs

Sample Format B031

B037 GAIN/LOSS REPORTS, DAILY, MONTHLY or ANNUALLY

PCN: CED042.NOB037.A100

PURPOSE: This TSO program provides a listing of all gains/losses to CEMS (Daily, Monthly, or Annually) broken out by "TRUE" gains/losses to the AF inventory, as well as gains/losses to non-AF accounts maintained in the CEMS database. The "Daily" variation on this report runs at night, Sunday through Thursday (i.e., pulling data on a Friday, Saturday, or Sunday will get you last Thursday's data).

- To access this job select option "B.B" on the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

GAIN LOSS - Identifies if this was a GAIN of LOSS to the inventory.

TECH CODE - This is the TECHNICIAN CODE for assigned technician to the associated SRAN.

CI SER - Configured Item Series.

ENGINE S/N - A unique number assigned for identification purposes.

SRAN BASE - Four position number assigned to the activity that Gained/Lost the associated asset.

TRANS CNTRL # /DOCUMENT # - Transportation control number or document number.

TRANS DATE - The date the transaction was processed.

T/C CODE - A two position field denoting the transaction and /or condition of an engine.

TYPE REPT - Identifies the purpose of the status report.

OWNER ACCT CODE - Current ownership account code of asset as identified in T.O. 00-25-254-1.

PREV ACCT CODE - Previous ownership account code of asset as identified in T.O. 00-25-254-1.

Sample Format B037

B100 - AF FORM 1534 TRANSACTION HISTORY

PURPOSE: This IMS program provides a visual display of the latest 18-month AF Form 1534 transaction history for a specified engine and/or module.

ENTER: /FOR CEOAB100

REQUIRED FIELDS:

CII

SERIAL NUMBER

- To view later history depress PA1 key.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

DATE-OF-TRANS

SEQ-NUM

CMD

OWNING-ORGAN

SRAN

ACCT-CD

TYPE-REPT

T/C-CD

TO-OR-FROM-CMD-SRAN

TYPE-CONT

TCN-DOC-NUM

REMV-RESN

RET-OVHL-CD

ENG-TIME/CYC-COUNT

REP-SER-NUM

NHA-DESIG

EI-SER-NUM

POS-NUM

SEC-ASST-PROG

ERROR MESSAGES:

- CII AND SERIAL NUMBER BOTH MUST BE ENTERED.
- CII AND SERIAL NUMBER NOT FOUND ON SERIAL NUMBER MASTER.
Check to be sure CI and S/N are entered correctly.
- ABNORMAL EOJ CEMRB100 XX 0400-GU-ON-CE102RSG. Contact OC-ALC/TILC.
- ABNORMAL EOJ CEMRB100 XX 0200-DET-SCOPE-REQUEST. Contact OC-ALC/TILC.
- ABNORMAL EOJ CEMRB100 XX 0500-1ST-GN-ON-CE102150. Contact OC-ALC/TILC.
- ABNORMAL EOJ CEMRB100 XX 0600-GN-ON-CE102150. Contact OC-ALC/TILC.

Sample Format B100

2-8 D042C (Automatic Resupply) Products

C001A - MONTHLY PROPULSION UNIT RESUPPLY TIME REPORTS

PCNs

TITLE

CED042.NPC001.A1MM - PART I, OC-ALC Re-supply time report ZI PART II, Resupply Time Report Overseas

CED042.NPC001.A1MM - PART I, SA-ALC Resupply time report ZI, PART II, Resupply Time Report Overseas

PURPOSE: Monthly report provides measurement of engine resupply time for A, G, N and R accounts. Transaction codes S, W, X, Y and Z are excluded. Resupply time is the number of days between the date an engine is removed or changed to major overhaul and the date a serviceable replacement is received.

- NOTE: This program is a CDB internal operating program and is provided for user information only.
- Use the browse capability to view this report (option "B.C" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

FAMILY GROUP RESUPPLY TIME BY SRAN

SRAN

SRAN NAME

MAJ CMD

MAJ O/H SERIAL NUMBER

DATE OF REMOVAL REPORT - Date of AF Form 1534 status report that reflected the engine removal from aircraft.

DATE RECEIVED OC-ALC

DATE SENT TO EIM - Date EIM notified to replace a engine removed from an aircraft.

SERVICEABLE ENG S/N - S/N of the engine the EIM has reported shipped to replace the removed engine.

DATE SERVICEABLE SHPMT - Date reported a serviceable engine was shipped to replace the removed engine.

DATE RECEIVED BASE

DAYS RPT TO OC-ALC - Number of days from engine removal status until receipt of that removal status by OC-ALC.

DAYS OC-ALC TO EIM - Number of days from report of engine removal status by OC-ALC until notification to the EIM by OC-ALC.

DAYS EIM TO SHIPMENT - Number of days from receipt of the requirement by EIM until shipment of a serviceable engine.

SHIPMENT TO RECEIPT - Number of days from shipment of serviceable engine until receipt by the SRAN.

REMOVAL TO SERVICEABLE RECEIPT - Number of days from reported removal until a serviceable replacement engine is received by the SRAN.

AVERAGE NUMBER OF DAYS BY FAMILY GROUP.

MAJOR CMD - Command abbreviation and average number of days from the time the removal report was generated until the replacement engine is received is reflected for each major Command within the family group. FSC - The average number of days from the time the removal report was generated until the replacement engine is received is reflected for FSC.

ALL FAMILY GROUP AND BASES - Average number of days from the time the removal report was generated until the replacement engine is received is reflected for all family groups and SRANs.

Sample Format C001A-1 (OC-ALC)

Sample Format C001A-2 (SA-ALC)

C002A - WEEKLY SPARE ENGINE REPORT

PCN: CED042.NPC002.A1MW

PURPOSE: This TSO program provides the status of spare engine assets for each SRAN for accounts A, G, N and R as of the end of the reporting period. It also reflects engines reported that requires overhaul during the reporting period.

- NOTE: This program is a CDB internal operating program and is provided for user information only.
- Use the browse capability to view this report (option "B.C" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

FAMILY GROUP - Reflects all interchangeable series within type and model of engine.

END ITEM APPLICABLE - Reflects the aircraft into which the family group engines may be installed
SRAN

SRAN NAME

MAJ CMD

SERVICEABLE ASSETS AWAITING MAINTENANCE (AWM) - Awaiting build-up at base level.

SERVICEABLE IN-WORK - Serviceable assets that have been reported work started or test cell reject.

SERVICEABLE NMCS

SERVICEABLE BUILT-UP - Total serviceable assets built-up with QEC.

SERVICEABLE RAW - Total serviceable assets without QEC. TRC engines only (SRAN coded 2 or 3).

FIELD MAINTENANCE AWM - Repairable AWM.

FIELD MAINTENANCE IN-WORK - Repairable assets that have been reported work started or test cell reject.

FIELD MAINTENANCE NMCS

TOTAL ON-HAND - Total number of engines in all categories as above.

OBLIGATED TO INSTALL - The number of engine positions in the end item that do not reflect installed engine data.

NET SPARES - Total on-hand minus obligated to install.

SERVICEABLE DUE-IN - Engines for which serviceable status reports have been received and this SRAN is the ship to activity.

NORMAL LEVEL - This quantity is furnished by the EIM ALC.

STOCK VARIANCE - Net spares plus serviceable due-in minus normal level.

REPARABLE DUE-IN - Engines for which repairable status reports have been received and this SRAN is the ship to activity.

DETAIL TRANSACTION LINE: Following is a description of the contents of the detail print line.

TYPE ACTION - Serviceable receipt, repairable receipt, serviceable due-in, repairable due-in, or major overhaul.

SERIAL NUMBER

STATUS - Latest Transaction Condition Code

TRANS COND

CMD

AS OF DATE - Day, month and year

SEQUENCE NUMBER

OPER TIME - TSO

REAS REM

SHIPPER - The four position number of the activity that shipped the engine

DOCUMENT NO - Assigned to any official document used to move an engine for gains, losses, or account code transfers.

DATE TO EIM - Date EIM notified of requirement to replace an engine that has been removed from aircraft.

Sample Format C002A

C003A WEEKLY COMBAT ANALYSIS CAPABILITY PROPULSION SUMMARY (CAC) FOR THE WEAPON SYSTEM MANAGEMENT INFORMATION SYSTEM (WSMIS) SUSTAINABILITY ANALYSIS AND VISIBILITY (SAV) MODULE (D042C/D087W-B) USING FILE TRANSFER PROTOCOL (FTP)

PCN: CE.TF.CP006001.WEEKLY.USAF

PURPOSE: (TSO program) This FTP file provides the latest summary of engine status by prime ALC, family group, SRAN and Command based upon the latest TCC. This file interfaces with AFMC WSMIS - SAV (D087W-B).

FREQUENCY: Weekly

DESCRIPTION OF OUTPUT DATA ELEMENTS: The format and description of output data elements for the CAC Propulsion Summary FTP are described in D042C/ D087W-B ICD Number 10924 as authorized by AFMC HQTR-96 0136-A-1-LGI-ISR and C4SRD AFMCQ991079-XRC-ISR, D042-WR-009.

- This program is a CDB internal operating program and is provided for user information only.
- There is no Sample Format for this product.

C004A - Daily Propulsion Unit Automatic Resupply Report and Inventory Status List**PCN and TITLE:**

CEDO42.NPC004.A1OD - Automatic Resupply Report for OC-ALC
 CEDO42.NPC004.B1AD - Automatic Resupply Report for SA-ALC
 CEDO42.NPC004.C1AD - Automatic Resupply Report for HQ-AFMC
 CEDO42.NPC004.D1MD - Automatic Resupply Report for CMDs (CE.CU004BRW.AUTORES)
 CEDO42.NPC004.D1MD - Automatic Resupply Report for CMDs - Only J69, J85, T700, T64, T400, T56, TF39, F108-100, J57-59W (CE.CU004BRW.AUTEUP)

PURPOSE: This TSO program provides EIMs with data on which to base allocation and shipment of serviceable spare engines in accounts A, G, N and R. Reports of major overhaul are reflected on the report and are used to trigger resupply action. S/Ns of engines reported due-in to the base and S/Ns of engines received at the base are reflected to assist in resupply of engines. Also provides an inventory status list daily to each ALC base engine manager.

- NOTE: This program is a CDB internal operating program and is provided for user information only.
- To access this job select option B from the CEMS Technician Primary Menu. For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS: (A309 Defined)

SRAN (A "1" preceding the SRAN indicates that automatic resupply is not applicable to this Command. A "2" preceding the SRAN indicates an engine specialized repair activity for engines in the family group. A "3" preceding the SRAN indicates an end item specialized repair activity for end items utilizing this particular family group of engines. A "blank" resupply code field indicates that automatic resupply is applicable to this SRAN.)

SRAN DESCRIPTION - Fifteen digit abbreviated SRAN description.

MAJOR COMMAND

LAST RPT - reflects the latest date of a reported status event from the specified SRAN to include the installation (VA type R report) of and engine.

The columns outlined below reflect the quantity by family group. The quantities are broken into the following categories:

BASE LEVEL SRANs:

Repairable AWM/P - TCCs BF, CF, DF, HF, KF, LF, MF, NF, RF, BG, CG, DG, HG, KG, LG, MG, NG and RG
 Repairable I/W - TCCs GF, GG, JF and JG
 Repairable NMCS - TCCs EF and EG
 Serviceable RAW - TCCs AR, BR, CR, DR, FR, NR and RR
 Serviceable AWM/P - TCCs HB and HR
 Serviceable I/W - TCCs GB, JB, GR and JR
 Serviceable NMCS - TCCs EB and ER
 Serviceable RFI - TCCs AB, BB, CB, DB, FB, KB, LB, NB and RB

DEPOT LEVEL SRANs:

Repairable AWM/P - TCCs PF, PG, HK, LK, MK, NK, PK, RK, BL, CL, DL, HL, KL, LL, ML, NL, PL, RL, BF, CF, DF, HF, KF, LF, MF, NF, RF, BG, CG, DG, HG, KG, LG, MG, NG and RG
 Repairable I/W - TCCs GK, JK, GL, JL, GF, GG, JF and JG
 Repairable NMCS - TCCs EK, EL, EF and EG
 Serviceable RAW - TCCs AR, BR, CR, DR, FR, NR and RR
 Serviceable AWM/P - TCCs HB, PB, HR and PR
 Serviceable I/W - TCCs GB, JB, GR and JR
 Serviceable NMCS (Not applicable)
 Serviceable RFI - TCCs AB, BB, CB, DB, FB, KB, LB, NB and RB
TOTAL O/H - Total number of engines in all categories as above
OBLIG INST - Number of installed engines required to fill on-wing engine positions
NET O/H - Total on hand minus obligated to install

AUTH BSL - Level established and updated by the prime EIM using table A309

NET SERV - Serviceable minus OBLIG INST

TGT SERV - Level established and updated by the prime EIM using table A309

REP D/I - TCCs SF, SG, SL and SC

SERV D/I - TCCs SR, SB, TR and TB

BSL VAR - Base stock level variance is NET O/H plus serviceable and reparable due-in minus AUTH BSL

SERV VAR - Serviceable variance is the total of NET SERV plus serviceable due-ins minus TGT SERV.

DETAIL LINES FOR AUTOMATIC RESUPPLY - There are three types of detail lines, receipts, (service able receipt transaction codes are RR, and RB, reparable receipt transaction codes are RF, RG, RK, RL, and RC) due-in (serviceable due in transaction codes are SR or SB, reparable due in transaction codes are SF, SG, SK, SL, or SC) and major overhauls (transaction codes are KL, ML, or LL). When applicable the detail line will be listed immediately below the SRAN the information pertains to.

TYPE ACTION - Due-in, receipt, serviceable-reparable, or overhaul

SERIAL NUMBER

STATUS - Latest TCC

CMD

A-O DATE - As of date

TIME SINCE OCM - Denotes flying hours accumulated since minor repair

TIME SINCE OVH - Denotes flying hours accumulated since major repair

POS - Engine Position on aircraft

RTO - Return to Overhaul Code

REAS REM - Reason for removal code.

CONT - Shipping container

SHIPPER - Four-position SRAN of the shipping activity.

DOCUMENT NO

TOTAL LINES FOR AUTOMATIC RESUPPLY (There is a possibility of seven total lines at the end of each family group)

BASE with levels (except code 2 and 3 of BASES)

BASE without levels (except code 2 and 3 BASES)

TOTAL - Total bases with and without levels

BASE with code 2 (regardless of levels)

BASE with code 3 (regardless of levels)

TOTAL - Total bases with code 2 and code 3

W-W Total - Total for all BASES in the family group

Sample Format C004A

C005A - DAILY NMCS UNINSTALLED ENGINE STATUS REPORT

PCN	TITLE
CED042.NPC005.A3DD	- Daily NMCS Engine Status Report by Command.
CED042.NPC024.A10D	- Daily Serviceable Engines In Depot Supply.

PURPOSE: This report provides data for surveillance and control of conditions where maintenance work stoppage resulted from nonavailability of spare parts. A daily product lists all serviceable engines in Depot Supply.

- NOTE: This program is a CDB internal operating program and is provided for user information only.
- To access this job select option "B.C" on the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS (NMCS ENGINE STATUS REPORT):

TMSM CII
 ENGINE SERIAL NUMBER
 CMD
 SRAN
 SRAN NAME
 TRANSACTION AS OF DATE AND/OR SEQUENCE NUMBER
 COND CODE

SAMPLE OUTPUT PRODUCTS: Format for all five-output products is identical, although the media may differ.

Sample Format C005A-1 Daily NMCS Engine Status Report by Command.
 Sample Format C005A-2 Daily Serviceable Engines In Depot Supply

C022A - INVENTORY STATUS LIST (Provides an inventory status list for all bases and Depots)

PCN	TITLE	SAMPLE FORMAT
CED042.NPC022.A10D	- Inventory Status List for OC-ALC	C022A-1
CED042.NPC022.A20D	- Inventory Status List for SA-ALC	C022A-2
CED042.NPC022.A30D	- Inventory Status List for OO-ALC	C022A-3
CED042.NPC022.A40D	- Inventory Status List for SM-ALC	C022A-4
CED042.NPC022.A50D	- Inventory Status List for WR-ALC	C022A-5
CED042.NPC022.A60D	- Inventory Status List for Base Level SRANs	C022A-6
CED042.NPC022.A70D	- Inventory Status List and Status Summary for SA-ALC/LPFD	C022A-7
CED042.NPC022.A802	- Inventory Status Summary for SA-ALC	C022A-8
CED042.NPC022.A90D	- Detailed Inventory Status List for OC-ALC	C022A-9
CED042.NPC022.A00D	- Inventory Status Summary for OC-ALC	C022A-10

PURPOSE: Daily product of spare engine inventory for depots and bases for all accounts excluding transaction codes of S, W, X, Y and Z. A detail and summary list for depot levels to provide total visibility of current status and condition of all engines.

- NOTE: This program is a CDB internal operating program and is provided for user information only.
- To access this job select option B.C on the CEMS Technician Primary Menu. For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.
- NOTE: The L Option of TSO will route to local printer.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TMSM

SERIAL NUMBER

CMD

ACCOUNT CODE

TR - Type report

TRANS DATE - Julian date (YYDDD)

SEQ NUMBER

TC - Transaction code

CC - Condition code

TO or FROM - Two-position Command code and SRAN

CON TYPE - Shipping container

TCN or DOCUMENT NO - Number assigned to documentation used to move an engine.

REM RSN - The three-position code used to indicate the reason for engine removal.

ENG TIME - Time recorded since last major overhaul or since new if never overhauled.

CYCLE COUNT - Engine cycles since last overhaul or since new, if never overhauled.

RSN RTN - Reason for sending the engine to depot for overhaul.

END ITEM DESIG - The mission design and series or TMSM or the NHA.

END-ITEM S/N - The serial number of the NHA.

POS NO - Number indicating the engine position number, from left to right from the pilots position.

SPEC STAT - A code that identifies an item that has been assigned to a special status or program.

RSN DLY - Reason For Delay Code input on work stop transaction.

C025A - DAILY ENGINE WORK COMPLETE REPORT**PCN: CED042.NPC025.A10D**

PURPOSE: This TSO program produces a daily product of engine work complete reports from depots (2039, 2049, 2059, and 2065). Product consists of current month to date cumulative list of work complete reports and prior month reports, which were processed on the previous date.

- **NOTE:** This program is a CDB internal operating program and is provided for user information only.
- Use the browse capability to view this report (option "B" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA: ELEMENTS:

TMSM
SERIAL NUMBER
CMD CODE
OWN ORG
DATE TRANS - Julian date (YYDDD)
REM RSN
TCC
HOURS

Sample Format C025A

C026A - MONTHLY GAIN AND/OR LOSS TRANSACTION REPORT

PCN: CED042.NPC026.A10M

PURPOSE: This TSO program provides a list of all accountable, uninstalled gain, loss, and account transfer transactions. This product is used by OC-ALC/TILC to monitor uninstalled gain, loss, and account transfer transactions and to ensure support documentation is received as required by TO 00-25-254-1, Chapter 1.

- **NOTE:** This program is a CDB internal operating program and is provided for user information only.
- Use the browse capability to view this report (option "B.M.3" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ENGINE SERIAL NUMBER

SRAN

ENGINE ID

DOCUMENT NO

DATE OF TRANSACTION

TCC

TYPE REPORT (R, 4, AND K)

TECH CODE - Identities assigned technician

OWNER ACCT CD - Ownership account code

Sample Format C026A

C035 - TRANSACTION CONDITION DETAIL SUMMARY

PCN: CED042.BRC035.A10M

PURPOSE: This TSO program produces an output product table titled "Transaction Condition Detail Summary" from online history. The product contains 1534 status transaction history for all S/Ns of the specified engine CII. If the engine is active or serviceable, history is available for three years; after that it is available to offline history. Offline history is obtained from TSO program for E115 for each engine serial number.

- To access this job, select the "S" option from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII (REQUIRED ENTRY)

SRAN

CMD

FROM DATE (REQUIRED ENTRY AS YYDDD)

TO INCLUDE DATE (REQUIRED ENTRY)

TMSM (Utilize first or second position blank spaces as outlined in 254-1 Chapter 9)

PART NUMBER

TRANSACTION CONDITION CODES - Enter at least one, up to 16, one or two position TCCs are allowed.

VA TRANSACTION CODE - "Y" Excludes VA "T" reports

TRANSFER - One position, a "Y" produces a PC formatted dataset

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TMSM

SERIAL NUMBER

SRAN

CMD

ACCOUNT - A one-position alpha denoting the account in which the engine is reported.

TYPE REPORT

DATE - Julian date.

SEQUENCE NUMBER

TRANS COND CODE

TFSR - To or from SRAN.

DOC NO - Number assigned to documentation, used to move an engine.

RMR - Removal Reason.

FLYHR - Engine flying hours.

CYCLE - Engine cycles since last overhaul or new in never overhauled.

OR - Overhaul Reason.

NHA DESG - MDS

NHA SERIAL NUMBER

P - Position number

Sample Format C035

2-9 D042D (Pipeline) Products

D042D - PROPULSION UNIT PIPELINE TIME ANALYSIS

PURPOSE: This Monthly/Quarterly report provides quantitative information of the number and average pipeline segments. All pipeline information starts in July '99, monthly/quarterly products will remain on the browse panel for three years.

- To view these reports use the browse capability (option "B.D" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1. D341 Monthly/Quarterly Base/SRAN Detail Summary is available on L option.
- You may download the browse pipeline files to a hard drive through CEMS LPD. At the CEMS Technician Primary menu on TSO, type in "H". The CEMS D042D Pipeline browse products have a PCN of CED042D located at the top right. All information after the first dot (.) will be the dataset name utilized to download the product to the hard drive or print option.

PCN	TITLE	SAMPLE FORMAT
D305	Transaction Errors/Corrections	D042D-1
D305	Processed Transactions	D042D-2
D351	Monthly Base/SRAN Detail Summary	D042D-3
D352	Monthly Worldwide Detail Summary	D042D-4
D353	Monthly Command Detail Summary	D042D-5
D354	Monthly MAJCOM Past Month Summary	D042D-6
D355	Monthly Worldwide Past Month Summary	D042D-7
D351	Quarterly Base/SRAN Detail Summary	D042D-8
D352	Quarterly Worldwide Detail Summary	D042D-9
D353	Quarterly Command Past Detail Summary	D042D-10
D354	Quarterly MAJCOM Past Quarterly Summary	D042D-11
D355	Quarterly Worldwide Past Quarterly Summary	D042D-12
	Engine Pipeline Structure (Page 1 of 13)	D042D-13-25

CRITERIA FOR SELECTING PIPELINE DATA:

1. The Pipeline data will only be selected, if the CI begins with an "A", for an engine.
2. If the Date of the Transaction is greater than the END-JULIAN-DATE, the Pipeline data will not be selected for that month's processing.
 - a. I.E. The selected Pipeline data on the data base for an engine will be extracted off of the data base until the END-JULIAN-DATE is reached, as long as they meet all of the rest of the criteria below.
3. Pipeline data will only be selected, if the Ownership Account Code is:
 - a. "A", "G", "N", or "R".
 - b. The Pipeline data will be selected, if the Ownership Account Code is "L" and the Transaction Condition Codes are "TB" or "TR".
 - c. i.e. An Ownership Account Code of "Z" will be bypassed.
4. Pipeline data will only be selected if the Type of Report is a "K", "R" or "4".
 - a. i.e. All "T" reports will be bypassed.
5. The only Pipeline data with a Condition Code of "A" that will be selected are those with Transaction Condition Codes of: "UA" and "VA".
6. The only Pipeline data with a Condition Code of "A" that will be selected is the one with a Transaction Condition Code of: "VZ".
7. All Pipeline data having Transaction Codes of "W", "X", "Y", or "Z" will be bypassed.
8. All Pipeline data having a numeric Transaction Code or a Condition Code will be bypassed.
9. All Pipeline data having a Transaction Code of "K" or "L" and an Overhaul-Return-Reason of "483" will be bypassed.

10. Pipeline data having duplicate records with Transaction Condition Codes of: "FB" or "FR" or "RB" or "RR" or "VA" will have all but one record deleted.

DESCRIPTION OF OUTPUT DATA ELEMENTS: Monthly product has columns of data that show the past month, the five previous months, and the average for the past six months. Quarterly product has columns of data that show the past quarter, the five previous quarters, and the average for the past six quarters.

SEG CODE - Alpha - Numeric 1st position is the Pipeline Cycle, 2nd position is the Major Segment; 3rd position is the Sub-Segment and the 4th position is the Sub-Sub-Segment
SEGMENT DESC - Pipeline Cycles

A - Base Repair Cycle (This cycle encompasses the time from identifying an engine in a reparable condition all the way until the engine is made serviceable (i.e. LF-JF-HF-JF-EF-JF-FB)).

B - Queen Bee Retrograde Cycle (This cycle encompasses the time from identifying an engine in a reparable condition that is subsequently shipped off base for repair and is received at the repairing activity (i.e. LF-JF-HF-SF-RF)).

C - Queen Bee Resupply Cycle (This cycle encompasses the time from identifying an engine as requiring replacement (under a QB concept) until a serviceable replacement engine is received by the base needing the asset (i.e. LF-SB-RB)).

D - Depot Retrograde Cycle (This cycle encompasses the time from identifying an engine in a reparable engine status that is subsequently shipped to the depot for overhaul/repair until the engine is received at the depot (i.e. LF-JF-HF-JF-HF-ML-SL-RL)).

E - Depot Repair Cycle (This cycle encompasses the time from a depot receipt or removal of an engine that requires depot overhaul/repair action until it is made serviceable (i.e. RL-PL-JL-FR)).

F - Depot Serviceable Stock (This cycle encompasses the time that an engine remains in a serviceable status at the depot until it is shipped to a base, changed back to a reparable condition, or installed on an aircraft (i.e. FR-SR) or goes to segment G.

G - Depot Resupply Cycle (This cycle encompasses the time from a base report an engine in a reparable status which requires depot resupply action until a serviceable replacement engine is received and built-up to an RF1 condition (FB) (i.e. LL-SL-(SR)-RR-JR-FB)).

H - Base Serviceable Built-Up (This cycle encompasses the time from a base reporting an engine and a serviceable built-up status (FB) until it is either shipped off base, re-identified as a reparable status or installed on an aircraft (i.e. FB-VA)).

NUM - Quantity of engine (S/N's) passed through a particular segment/sub-segment and completed the applicable cycle, based on when the trigger TCC is reported on a particular engine S/N. As an example, A1 NUM is the total number of engine S/Ns that were removed and repaired at base level and ended in TCC FB or FR. Also A1 NUM and A2 NUM should be the same as the Total Base Repair Cycle. The counter for the NUM column is increased and a new pipeline segment cycle is begun for that particular engine.

OCC % -NUM for each segment in the particular segment/sub-segment divided by the total NUM from the next higher level of repair. (i.e. A1 NUM divided by TOT WKLD PROC A1.NUM).

FAVG - Total accumulated elapsed days for all engines within the particular segment/sub-segment divided by the total NUM for the next higher segment/cycle (i.e. A1A Total Time divided by A1 NUM).

T.O. STD - Use TO 2-1-18

Sample Format D042D Pipeline Browse Products Screen

Sample Format Dataset Print Screen

2-10 D042E (Configuration) Programs

EA01 - ITEM AGE WITHIN A CII

PURPOSE: This IMS program displays an Item Age within a CII number. The program display provides the configuration of an engine, assembly, or component. Age values, and exception coding will be provided. There is a restriction to provide only the next immediate lower CII data for this remote terminal display. If further information is required for anything lower, a separate inquiry must be made.

ENTER: /FOR CEOAEA01

REQUIRED FIELDS:

CII
SERIAL NUMBER
REQUESTER'S ORGANIZATION (optional)

DESCRIPTION OF OUTPUT DATA ELEMENTS:

Requested CII.
Requested SERIAL NUMBER
SRAN
PART NUMBER
SET - Indicates whether controlled items are processed as a set.
NOUN
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
LIFE LIMIT
LIFE USED
LIFE REMAINING
LIFE REMAINING PERCENT
NHA SERIAL NUMBER
AUTHORIZED EXCEPTION CODE (AEC)

Sample Format EA01

EA03 - AGE OF SERIAL NUMBER

PURPOSE: This IMS program displays the accrual time since new, overhaul and depot visit for each applicable tracking method.

ENTER: /FOR CEOAEA03

REQUIRED FIELDS:

CII

SERIAL NUMBER

REQUESTER'S ORGANIZATION (optional).

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII

SERIAL NUMBER

POS - Part position when applicable

SPC STA - Special Status Code. (Reference program A311, codes are loaded by prime ALC's only)

BASE

INST-DT - Date installed

REMOVE-DT - Date Removed

OVHL-DT - Date Last Overhaul

OCM-DT - Date Last OCM

PART NUMBER

WUC

NHA CII

NHA SERIAL NUMBER

CAT - A category number indicating TLC or tracking method.

TLC - Tracking method

TSN - Time since new

TIME AT OCM/OVHL

TIME SINCE OCM

TC - TYPE CODE AND CATEGORY. Values under T (type code) denote type of limits, i.e., "S" - S/N, "P" - P/N, and "N" - applicable tracking method. Values under "C" (category) will be "V", "N", or "H" for time change limits, "P", "Q", or "W" for warranty expiration, all others to indicate inspection due times.

LIMIT

TIME REM

(%) - PERCENT REMAINING

Sample Format EA03

EA04 - TSN UPDATE HISTORY

PURPOSE: This IMS program displays update history in terms of TSN, option "1" or transaction values following by TSN, option "2". Data may be requested by several combinations using qualifier, transaction, start and end range as explained below. EA04 displays data as input to the file maintenance programs when the operation mode is blank (meter readings or delta values) or "B" (TSN values). When the operation mode is "C", data displayed is the computed TSN after the transaction has processed. File maintenance programs store some transactions such as "6U" updates twice, meter readings followed by computed TSN values. Transactions such as "VA" install have TSN on the input record and are saved to history once. This program is also available on TSO. Applicable calculated values are displayed on this product.

ENTER: /FOR CEOAEA04

REQUIRED FIELDS:

CII

SERIAL NUMBER

OPTION 1 or 2 (blank defaults to option 1)

Option 1 - Sequential listing of all update transactions with catalog values expressed as TSN.

Option 2 - Listing of all update transactions as input followed by computed transaction (catalog values expressed as TSN).

OPTIONAL FIELDS:

QUAL - (Qualifier) D, S, or blank.

D - Date range, should be accompanied by start and end Julian dates.

S - Update key range, should be accompanied by start and end update keys.

BLANK - Will display all update histories.

START - The beginning of a selected range of update histories based on the qualifier used (Julian date or update key).

END - The end of a selected range of update histories based on the qualifier used (optional).

TRAN - (TCC) Use of this field will result in the display of all update histories that correspond with the TCC selected.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

KEY - (Update key) number that identifies each update transaction in order of processing.

TDATE - Transaction date

SRAN - Owning base at time of transaction.

CM - Command.

AIRCRAFT MDS-SN - Mission design series (type aircraft) and tail number.

EHR-ETTR - S/N of recorder on 6U and 6T Transactions.

TC - TCC.

SEQ NO - Sequence number of transaction.

OPERATION MODE - Blank, B or C. Blank when catalog values are displayed as input (i.e., delta or meter readings), B for catalog values of TSN as input and C computed TSN values following transactions with operation mode of blank.

P - Position

MAINT - Type maintenance reported, 6P transactions will display S/N limit, overhaul, OCM or combinations such as H indicating both overhaul and S/N limit was reported.

TERM-ID - Terminal identifier, codes may be used as input data for job A320 to determine terminal info.

Sample Format EA04-1

Sample Format EA04-2

EA09 - INSTALLATION AND/OR REMOVAL HISTORY BY SERIAL NUMBER

PURPOSE: This IMS program produces a display of installations and removals for a requested CII, serial number, and time frame. A primary computation provided is mean time between removal (MTBR). This program is applicable to engines, assemblies, or components.

ENTER: /FOR CEOAEA09

REQUIRED FIELDS:

CII

SERIAL NUMBER

FROM - Requested Time Frame (YYDDD)

TO - Requested Time Frame (YYDDD)

OPTIONAL FIELD:

REQUESTERS ORGANIZATION

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII

SERIAL NUMBER

TIME FRAME - Indicates an interval of time from one date to another.

NOUN - A descriptive name of an item.

SRAN

CMD CODE - Command code

INSTALLATION DATE - Indicates when an item was installed on its NHA.

INSTALLATION SRAN - Identifies a specific base or repair facility where an item was last used.

NHA SERIAL NO - Identifies by S/N the NHA and/or component that a designated part is installed on.

PART NUMBER - A unique designator assigned by the manufacturer to identify a part, assembly, or component.

TLC - See Terms, Abbr. and Acronyms at the end of this T.O.

LIFE USED - The total amount of age accrued on an item at a specific point in time.

REASON FOR REMOVAL - A code assigned to an item when removed.

REMOVAL DATE - Indicates calendar date an item was removed.

REMOVAL SRAN - Identifies a specific base or repair facility where item was last used.

LIFE SINCE INSTL - The accumulated hours or cycles on an item while installed on NHA.

MTBR - The average operation hours and/or cycles etc, accumulated on an item.

Sample Format EA09

EM01 - CII and/or Serial Number Master Record.

PURPOSE: This IMS program displays the "CII and/or Serial Number Master Record". Included will be identification data, age values, pertinent dates, special codes, location, and NHA CII S/N. This display is applicable to engines, modules, assemblies, or components.

ENTER: /FOR CEOAEM01

REQUIRED FIELDS:

CII
SERIAL NUMBER
REQ ORG

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII
SERIAL NUMBER
PART NUMBER
SRAN
CMD CD
QPA - Total number of items of the same WUC that are installed on the NHA.
WUC
NOUN
DATE AND/OR TIME LAST TRANS
DATE DEPOT VISIT
DATE INSTALLED
DATE OF REMOVAL
TCC - Type of transaction such as LB or VA
LEVEL OF MAINT - Type of repair facility where a TCTO is accomplished and type of TCTO involved.
RSN FOR REM CODE
SPEC STAT CODE - Identifies the special status or program assigned.
OWN CODE - Denotes account to which an item is gained from or lost to in the W-W inventory.
AEC CODE - Identifies authorized deviation to a currently approved operational and/or maintenance directives regarding the use, continued use, and/or reuse of equipment items subject to operational and/or maintenance activities.
SET IND - Indicates whether controlled item are processed as a set.
IND LEV - Identifies the relative position of an engine or component with respect to its NHA.
ENG POS
EQUIP SPEC - A unique code assigned to each individual technician in the Technical Services Branch of a depot repair facility.
TO/FROM SRAN - The SRAN last receiving or shipping an item.
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
LIFE USED
LIFE REMAIN
PERCENT LIFE REMAIN
DESIGN LIMIT - Maximum hours and/or cycles of operation established by manufacturer.
LIFE LIMIT
O/I LIMIT - Maximum time permitted on an item installed at organization and/or intermediate maintenance.
DEPOT LIMIT
DT DSGN LIM ESTB
DT LIFE LIM ESTB
DT DEPOT LIM ESTB
DT O/I LIM ESTB
K FACTOR - Factor based on material properties of a part used in a formula to adjust cycle to various operating conditions.
NHA
IND - identifies the relative position of an item to other items.

ERROR MESSAGES:

•INVALID CII:
CII - Must not have blanks.

CII - Must begin with alpha.

CII - Is not applicable to requested product.

CII - Not found in database. Corrective Action: Research CII and resubmit request.

- INVALID SERIAL NUMBER:

Serial Number - Must not have blanks.

Serial Number - Not found in database.

Serial Number - Did not match requested CII.

Corrective Action: Research S/N and resubmit with 10 alphanumeric.

- ABNORMAL EOJ

Corrective Action: Notify OC-ALC/TILC

Sample Format EM01

EM02 - CII-WUC-P/N STRUCTURE CROSS REFERENCE

PURPOSE: This IMS program displays "CII-WUC-Part Number - Structure Cross-Reference". Also provided are the authorized part numbers, TLCC, K/KA factors, limits and the dates the limits were set. There are two options for this program. If P/N is entered, only data for that P/N will be returned. If P/N is blank, data for all P/Ns under the requested CII will be returned. This display is applicable to engines, modules, assemblies and components.

ENTER: /FOR CEOAEM02

REQUIRED FIELDS:

CII

OPTIONAL FIELD:

PART NUMBER

DESCRIPTION OF OUTPUT DATA ELEMENTS.

CII

PART NUMBER

CII NOUN

IND - Identifies relative position of an item.

QPA - Total number of items of same WUC that are installed on the NHA.

SET - Indicates whether controlled item is matched to another item.

WUC

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

DESIGN LIMIT - Maximum hours and/or cycles established by the manufacturer.

LIFE DATE

LIMIT - See Terms, Abbr. and Acronyms at the end of this T.O.

DATE EST

O/I DATA

O/I LIMIT - The maximum time permitted on an item installed at organizational and/or intermediate level.

DATE EST

DEPOT DATA

DEPOT LIMIT - The maximum time permitted on an item installed at depot level.

DATE EST

MDS

K-FACTOR LIMIT - A factor used in the formula for calculating cycles.

ERROR MESSAGES:

•INVALID CII:

CII - Must not have blanks.

CII - Must begin with alpha.

CII - Is not applicable to requested product.

CII - Not found in database.

Corrective Action: Research CII and resubmit request.

•INVALID PART NUMBER:

Part Number - Not found in database.

Part Number - Does not match requested CII.

Part Number - Must start in first column of part number field.

Corrective Action: Research part number and resubmit request.

•ABNORMAL EOJ CORRECTIVE ACTION: NOTIFY OC-ALC/TILC.

Sample Format EM02

EM05 - CATEGORY OF AGING

PURPOSE: This IMS program displays a product entitled category of Aging. The product is requested by CII, Serial Number, and Aging Category. There are five options by aging categories: T - for time change (either part number or S/N), W - for warranty, I - for inspection, and A or blank - for all the above. The product will list all tracking methods for the requested CII, S/N, and option category by catalog number, TLCC, TSN, limit, life remaining, and percent life remaining. This program displays data applicable to engines, modules, assemblies, or components.

ENTER: /FOR CEOAEM05

REQUIRED FIELDS:

CII
SERIAL NUMBER

OPTIONAL FIELD:

AGING CATEGORY - Use "T" for time change, "W" for warranty, "I" for inspection "A" or blank for all categories. If left blank, program will list all aging categories as if "A" had been entered.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII
SERIAL NUMBER
SRAN
PART NUMBER
WUC

CATALOG - Two position number identifying method of tracking.

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

TSN (Life Used)

DUE TIME

(%) LIFE REMAINING

ERROR MESSAGES:

- INVALID CII AND/OR SERIAL NUMBER REQUESTED - Must be established in the database.
- INVALID AGING CATEGORY REQUESTED - Must be T, I, W, A, or blank.

Sample Format EM05

EM06 - AUTHORIZED TLCC CODES

PURPOSE: This IMS program displays a product entitled "Authorized TLCC Codes". The product is requested by CII and aging category. The product will list the authorized TLCCs for the requested CII and all lower CII's. Authorized CII's are established, upon request by OC-ALC/TILC. CII's must be established prior to posting inspection or warranty limits (due times) with IMS program A465.

ENTER:. /FOR CEOAEM06

OPTIONS: T = TIME CHANGE W = WARRANTY I = INSPECTION BLANK= All of the above.

REQUIRED FIELDS:

CII

AGING CATEGORY

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII

WUC

NOUN

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

DESCRIPTION - Description of inspection, warranty, or time change TLCC codes.

ERROR MESSAGES:

- INVALID CII REQUESTED - Must be established in the database.

Sample Format EM06

E19A - SERIALIZED ITEM HISTORY (F108)

PCN: CED042BRE19AA10

PURPOSE: This TSO program displays the F108 operational parameters and the following ratios for each update:

Total hours to hours 790 EOT to MAJ
 Total hours to hours 810 EOT to MIN
 Total hours to events 550 EOT to EG2
 Total hours to events 790 EOT to EG8
 Total hours to events 810 EOT to WOW
 Total hours to hot section factor units MIN to MAJ
 Total hours to calculated cycles EG8 to EG2 WOW to MAJ

- To view this job use option "S" on the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII
 SERIAL NUMBER
 TIME FRAME

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED CII
 REQUESTED SERIAL NUMBER
 PART NUMBER
 MDS
 AIRCRAFT SERIAL NUMBER
 CMD CODE
 SPEC STAT - S/N assigned to a special status or program.
 COND CODE
 SRAN DESCRIPTION
 REQUESTED TIME FRAME
 UPDATE PARAMETERS
 DATE - The date a transaction or event occurred.
 EOT
 MAJ - Major cycles, throttle movement from less than 15% to greater than 70% and back or a touch and go landing.
 MIN - Minor cycles, throttle movement from 70.4% to 39% and back.
 EG2 - Time that EGT is greater than 820C.
 EG8 - Time that EGT is greater than 855C.
 WOW - flight time of engine as measured by F108 TEMS recorder.

Sample Format E19A

E19B - SERIALIZED ITEM HISTORY (TF34)

PCN: CED042BRE19BAIOA

PURPOSE: This TSO program displays the TF34 operational parameters and the following ratios for each update:

Total hours to hours 790
Total hours to hours 810
Total hours to events 550
Total hours to events 790
Total hours to events 810
Total hours to hot section factor units.
Total hours to calculated cycles.

- To view this job use option "S" on the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII
SERIAL NUMBER
TIME FRAME

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED CII
REQUESTED SERIAL NUMBER
PART NUMBER
MDS
AIRCRAFT SERIAL NUMBER
CMD CODE
SPEC STAT - Code assigned to a special status or program.
COND CODE
SRAN DESCRIPTION
REQUESTED TIME FRAME
UPDATE PARAMETERS
DATE - Date a transaction or event occurred
EOT

HRS 790 - When temperature 790C is exceeded, the 790C ETTR clock runs and records in hours and hundredths.

HRS 810 - When temperature 810C is exceeded, the 810C ETTR clock runs and records in hours and hundredths.

EVT 550 - When temperature 550C is exceeded, the ETTR will record one event and reset when temperature drops below 550C.

EVT 790 - When temperature 790C is exceeded, the ETTR will record one event and reset when temperature drops below 790C.

EVT 810 - When temperature 810C is exceeded, the ETTR will record one event and reset when temperature drops below 810C.

HSF UNITS - When higher than normal temperatures are encountered, their ETTR HSF counter records units in whole numbers.

CAL CYC - Weighted result of a formula applied to manual cycles and LCF of F-100 engine and 550C and 790C on TF-34 engine.

RATIOS: EOT/ HRS 790 - Total time in hours accumulated on an engine compared to hours at 790C used.

EOT/ HRS 810 - Total time in hours accumulated on an engine compared to hours at 810C used.

EOT/ EVT 550 - A comparison of total hours accumulated on an engine to the number of events at 550C.

EOT/ EVT 790 - A comparison of total hours accumulated on an engine to the number of events at 790C.

EOT/ EVT 810 - A comparison of total hours accumulated on an engine to the number of events

at 810C.

EOT/ FAC UNIT - A comparison of total hours accumulated on an engine to the number of hot section factor units.

EOT/CCY - A comparison of total hours accumulated on an engine to the number of calculated cycles.

Sample Format E19B

E19C - SERIALIZED ITEM HISTORY (F101)

PCN: CED042BRE19CA10

PURPOSE: This TSO program displays the F101 operational parameters and the following ratios for each update:

- Total EOT to LCF
- Total FTC to LCF
- Total CIC to LCF
- Total A/B CYCLE to LCF
- Total A/B CYCLE to A/B time
- Total EOT to A/B time
- Total EOT to TAT 1600
- Total EOT to TAT 1630
- Total EOT to TAT 1660
- Total EOT to TAT 1685
- Total EOT to TAT 1705
- Total LCF to FHR
- Total EOT to FHR

- To view this job use option "S" on the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII
SERIAL NUMBER
TIME FRAME

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED CII
REQUESTED SERIAL NUMBER
PART NUMBER
MDS

AIRCRAFT SERIAL NUMBER
CMD CODE
SPEC STAT - Assigned to a special status or program.
COND CODE
SRAN DESCRIPTION
REQUESTED TIME FRAME
UPDATE PARAMETERS

DATE - Date a transaction or event occurred.

EOT - Reflects current operating time on engines with meters or flying hours for engines without meters.

LCF - The sum of low cycle fatigue counts for a specific engine.

FTC - The sum of low cycle fatigue counts for a specific engine.

CIC - The sum of cruise intermediate cruise cycles for a specific engine.

TAT 1600 - The sum of time at or above temperature 1600 degrees.

TAT 1630 - The sum of time at or above temperature 1630 degrees.

TAT 1660 - The sum of time at or above temperature 1660 degrees.

TAT 1685 - The sum of time at or above temperature 1685 degrees.

TAT 1705 - The sum of time at or above temperature 1705 degrees.

A/B CYC - The sum of augmentor cycles for a specific engine.

A/B HRS - The sum of augmentor hours for a specific engine.

FHR - The sum of engine flying hours for a specific engine.

RATIOS: EOT to LCF - Comparison of total engines operating time to total low cycle fatigue.

FTC to LCF - Comparison of total full thermal cycles to total low cycle fatigue.

CIC to LCF - Comparison of total cruise intermediate cruise cycle to total low cycle fatigue.

A/B cycle to LCF - Comparison of total afterburner cycles to total low cycle fatigue.

A/B cycle to A/B Time - Comparison of total afterburner cycles to total afterburner time.

EOT to A/B Time - Comparison of total engine operating time to total afterburner time.

EOT to TAT 1600 - Comparison of total engine operating time to total time at or above temperature 1600 degrees.
 EOT to TAT 1630 - Comparison of total engine operating time to total time at or above temperature 1630 degrees.
 EOT to TAT 1660 - Comparison of total engine operating time to total time at or above temperature 1660 degrees.
 EOT to TAT 1685 - Comparison of total engine operating time to total time at or above temperature 1685 degrees.
 EOT to TAT 1705 - Comparison of total engine operating time to total time at or above temperature 1705 degrees.
 LCF to FHR - Comparison of total LCF cycles to total flying hours.
 EOT to FHR - Comparison of total engine operating time to total flying hours.

Sample Format E19C

T.O. 00-25-254-2

E42A - Deleted

E100 - CONFIGURED ITEM AND/OR PART NUMBER

PURPOSE: This TSO program formats and prints the following product formats:

PCNs:

CED042BRE100A10A - "Configured Item and/or Part Number Master Record" (Part 1)

This report provides CII, P/N, noun, type limit code, and/or category, limit data, K factors, MDS application and next higher and/or lower assembly identity. The three requesting options for this product are:

OPTION 1 - Is restricted to the requested CII and all of its authorized Part Numbers.

OPTION 2 - Will provide the requested CII, all of its authorized part numbers and all lower assemblies with their CII and all authorized Part Numbers for each CII.

CED042BRE100A20A - "Configured Item and/or Part Number Master Record" (Part 2) provides a history of file maintenance changes to the authorized Part Numbers. This report is **OPTION 3** of this program.

- To view this job use option "S" on the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

IND - Identifies the relative position of an engine, engine module, or engine component with its NHA.

NOUN

CII

WUC

QPA - Quantity per application. Number of items of the same WUC that are installed on the NHA.

SET IND - Indicates whether controlled items are processed as a set.

NHA CII

NHA NOUN

PART NUMBER

DATES ESTB

MDS

K-FAC Date - Calendar date when a K factor was assigned to a specific item.

K-FAC - Factor based on various operation conditions.

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

LIFE LIMIT

LIFE LIMIT DATE

LIM ORG DSGN - Maximum time limit.

O/I LIMIT - Maximum time permitted on an item installed at organizational and/or intermediate level.

O/I LIMIT DATE - Calendar date indicating when hour and/or cycle restrictions were set.

DEPOT LIMIT - Maximum time permitted on an item installed at depot level.

DEPOT LIMIT DATE - Calendar date an item was assigned a limit. If exceeded, it precludes the installation of the item on the NHA.

NSN CLASS - Broad commodity groups and class.

ACT KEY - "E" indicates the establishment of a TLCC, "D" shows the deletion of a TLCC, and "C" denotes a change to a K-factor or limit.

CURRENT DATA AND/OR HISTORY FLAG - On Option 3 the word "current" or "history" in the far right hand column indicates whether the flagged and following data is either current limits or history.

Sample Format E100-1 (Part 1)

Sample Format E100-2 (Part 2)

E101 - LIFE LIMITING DATA BY SERIAL NUMBER

PCN: CED042BRE101A10

PURPOSE: This TSO program displays the configuration of a requested engine, module, or assembly. Each item within the engine, module, or assembly will show its identifying data elements, TLCC, limit values, current age since new, since overhaul, or conditional maintenance as appropriate. A missing item from the configuration will only show the CII and noun. Window values are also provided for the F100 events history recorder (EHR) or the TF34 engine time and/or temperature recorder (ETTR).

■ **OPTION 1** - Can be requested for specific engine, module, or assembly.

OPTION 2 - Can be requested by MDS and aircraft S/N to obtain all engines and all lower indentured items for each engine.

- To view this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED SERIAL NUMBER

REQUESTED CII

DATE LAST TRANSACTION - The calendar date of last TCC.

OWN CODE - Ownership Code. Denotes account to which an item is gained from or lost-to in the W-W inventory.

DATE LAST MAINTENANCE

ENGINE POSITION

DATE INSTALLED

DATE OF REMOVAL

REASON FOR REMOVAL CODE

TCC

SRAN

NOUN

PART NUMBER

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

LIMIT- The maximum quantity of time that is permitted to accumulate on an item before time change, inspection, or warranty expiration.

LIFE USED - The total amount of age accrued on an item at a specific point in time.

LIFE REMAIN - A numeric quantity denoting the time that can accumulate against an item before its maximum time limit is reached.

BLD LIMIT DEPOT - The maximum time permitted on an item installed at depot level.

BLD LIMIT OI - The maximum time permitted on an item installed at organizational and/or intermediate level.

AGE SINCE NEW - Total age accrued on an item since it was placed in service.

AGE SINCE OCM - Quantity of hours and/of cycles since items last depot visit (category code V).

SET IND - Indicates if processed as a set.

IND - Identifies the relative position of an engine, engine module, or engine component with respect to its NHA.

WINDOW READINGS - The recorder values.

Sample Format E101-1 (Sheet 1 of 2)

Sample Format E101-2 (Sheet 2 of 2)

E102 - INVENTORY LIFE REMAINING

PCN: CED042BRE102A10

PURPOSE: This TSO program provides an inventory of all S/Ns for the requested input. P/N, CII, NHA S/Ns, TMSM, date installed, SRAN, organization, TLCC, limits, and life remaining are listed. The product can be sequenced by S/N, TMSM, life remaining, or limit. Negative life remaining occurs when parts are over flown, past Inspection Due Time or when the Warranty has expired.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.
- When this program is not restricted to a single SRAN it can cause execution to exceed five minutes of CPU time and 20,000 lines of print rendering remote printers and communications lines unavailable until the job ends. For W-W inventories this program should be requested so that it will execute during non-prime time only.
- A specified list can be obtained by changing the data elements on the input panel. However, CII, percent life remaining, and TLC are required for all inputs. Other data elements on the input panel are optional. When optional data elements are input, the printout will be restricted to match on them. For example, if P/N is input, only S/Ns with that P/N will be listed. When "L" is entered for loss code, items flagged to be lost will be excluded.

INPUT DATA ELEMENTS: "*" Indicates optional data elements.

CII

PERCENT LIFE REMAINING - Three-position 000 through 100, when 025 is entered, only parts with 25% or less of their life remaining will be listed.

*SRAN - When entered, listing will be restricted to those S/Ns possessed at that SRAN.

*UNIT - One position used to designate a subdivision of SRAN. When input, the listing will be restricted to match on unit.

PART NUMBER - If input, will restrict output to items with that P/N. Enter part number in the first-position of this field. Wild card "" is available on P/N, enter at least one position followed by asterisk; i.e. 44105* and list will contain all parts that have P/Ns starting with value to left of asterisk.

*CONDITION CODE - Second position of TCC. This restriction only applies to engines with status condition codes

*SPECIAL STATUS CODE - A three-position code, i.e., LTF = Lead the Fleet, or ACI = Analytical Condition Inspection. For a complete list refer to program A465.

TLC - Type Limit Code represents tracking method, i.e., FHR = Flying Hours.

*CATEGORY - One position code that represents the reason for tracking the item. Codes "V", "H", and "N" represent time changes; "Q", "P", and "W" are assigned to warranty expiration TLC's, all others are used for inspections.

*SERVICE STATUS CODE - One-position, "M" for installed items only, "S" for spare items only, and "blank" for both.

*LOSS CODE - When "L" is input, the list will exclude items in loss status. When "C" is input, only items in loss status are included. If "blank", all items are listed.

SORT SEQUENCE - "S" for S/N, "T" for TMSM, "X" for Life Remaining, and "L" for Limit

*TRANSFER - One-position, a "Y" in this field will put requested data on a TDSC file to be transferred to PC computer.

TMSM - Twelve position or wild card partial followed by an asterisk, i.e. F0100*.

*COMMAND - Two position optional entry that can only be used with option 6. When entered, the program will list all records with the same Command Code.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

SERIAL NUMBER

PART NUMBER

NHA CII/SERIAL NUMBER

TMSM

INSTALLATION OR 1534 DATE

SRAN

SPEC STAT CODE

ORGANIZATION

TCC

CONDEMNED FLAG

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

LIFE LIMIT

LIFE USED

LIFE REMAIN

END OF REPORT - Total number records and total serial numbers:

Sample Format E102-1 (Sheet 1 of 2)

Sample Format E102-2 (Sheet 2 of 2)

E103 - CONFIGURATION PROFILE BY SERIAL NUMBER

PCN: CED042BRE103A10A

PURPOSE: This TSO program displays the configuration of an engine, module, or assembly. Each item within the engine, module, or assembly will show its noun, S/N, P/N, CII, account code, TLCC, limit values, TSN, life remaining, TSN at install, engine TSN at install, accrued time on engine. A missing item from the configuration will only show the CII and noun.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

OPTIONS:

Option 1 - Provides complete configuration of the requested CII, (engine, module, or assembly).

Option 2 - Provides configuration of the engine, modules, assemblies, and engine accessories only.

(Components on modules or assemblies will not be listed).

Option 3 - Provides configuration of engine, modules, assemblies, accessories, and embedded parts PF1003 D and E. This option for F100 Eng/module level only.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED SERIAL NUMBER

REQUESTED CII

DATE LAST TRANSACTION

OWN CODE - Ownership Code

DATE LAST MAINTENANCE

ENGINE POSITION

DATE INSTALLED

DATE OF REMOVAL

REASON FOR REMOVAL CODE

TCC

SRAN

NOUN

PART NUMBER

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

LIMIT

TSN

LIFE REMAINING

PART TSN AT-INSTALL

ENGINE TSN AT-INSTALL

ACC TIME ON ENGINE

Sample Format E103

E105 - INVENTORY AND NHA'S

PCN: CED042BRE105A10A

PURPOSE: This TSO program provides the identity, location, TLCC, limit, current age and NHA's for requested CII, TLC and options. Displays complete installed on chain up through the aircraft. The product applies to all engines and tracked parts. Input of SRAN, UNIT, MDS, ACC CODE and CATEGORY is optional, when input, the product will only list S/Ns that match on these values.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

OPTIONS:

Option 1 - List the Unit, Account Code and Transaction/Condition Code with the inventory, NHA's and Life remaining data. With this option MDS must be blank on the input panel and sort sequence "M" by MDS and "N" by MDS/PN is not available.

Option 2 - List the same data as option "1" except MDS and P/N is listed instead of Unit, Account Code and Transaction/Condition Code. "Unit" must be blank on the input panel.

- There are eight sort options: A = SRAN by account code S = S/N; X = actual life remaining; B = SRAN by actual life remaining, L = limit; M = MDS (option "2" only); N = MDS, PN (option "2" only); P = P/N.

INPUT DATA ELEMENTS:

CII

COMMAND

SRAN (Optional)

UNIT (Optional)

ACCOUNT CODE (Optional)

TLC CODE CATEGORY CODE - (Optional) A one position code that represents the reason for tracking the item Codes "V", "H" and "N" represent time changes; "Q", "P" and "W" are assigned to warranty expiration TLC's, and all others are used for inspections.

MDS - If input will restrict output to items with that MDS. Wildcard "*" is available on MDS, enter required MDS such as F015 followed by "*".

PN - If input will restrict output to items with that P/N. Enter P/N in first position of this field. Wildcard "*" is available on P/N, enter at least one position followed by asterisk, i.e. enter 4405* and the list will contain all parts that have P/Ns starting with value to left of asterisk.

TRANSFER - (Optional) One position, a "Y" in this field will put requested data on a TDSC file to be transferred to PC computer.

ENGINE ID - (Optional) Two position, when input the listing will be restricted to match on the engine ID input.

- Input of "Y" for transfer should only be used for PC file transfer.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

SERIAL NUMBER

PART NUMBER

ENGINE ID

NHA S/N

INSTALLATION OR 1534 DATE

SRAN

MDS

SPC STA - Special Status Code

ORG CD - Organization Code (Unit)

ACCOUNT CODE

TR/CD - Transaction/Condition Code - Field is blank for parts.

CDM - Condemned flag. Items with an asterisk in this column have been flagged as lost.

TLCC

LIFE LIMIT

LIFE USED

END OF REPORT - Total number records and total serial numbers.

Sample Format E105-1 (Option 1)

Sample Format E105-2 (Option 2)

E111 - HISTORY OF UPDATE TRANSACTIONS**PCN: CED042N0E111A10A**

PURPOSE: This TSO program displays in chronological order, all transactions in the update archival history. These transactions are over 18 months old that effect age, including 6U, 6S, 6A, 6X, 6P, 6C, 6B, 6T, 6Z, 6E, VA, and LB. The product can be requested for any tracked engine, module and/or assembly, or item. It is designed for use by prime LP personnel to research and verify tracked asset time. NOTE: This product requires the loading of archival tapes. Only data over 18 months will be displayed. Data less than 18 months is available on-line via IMS programs such as A277 (also TSO), A275, and EA25. Programs EA09 and A265 will display on-line installation and removal history for as long as the engine or part has been tracked in CEMS. These on-line programs should be used whenever possible.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII
SERIAL NUMBER
PROCESS DATE
TRANSACTION DATE
SRAN
UNIT
NHA SERIAL NUMBER
RECORDER SERIAL NUMBER
CAT NO
TLC
TIME - Hour or cycle age input on the transaction.
MISSION PROFILE
TCC
TYPE REPORT
TERMINAL ID

Sample Format E111-1 (Sheet 1 of 2)

Sample Format E111-2 (Sheet 2 of 2)

E112 - TRANSACTION HISTORY

PCN: CED042N0E112A10A

PURPOSE: This TSO program lists transactions for all S/Ns within the requested CII and SRAN, limited to the selected TCCs where process date of the transaction falls within the date range entered. The product is in SRAN and date sequence. This product retrieves data from update history segment (CE102130) IMSA A277 (6S, 6A, etc) for product with 1534 history (data segment CE102150) IMSA A275 (RB, TA, etc) use C035 (History over 18 months old is not available on this program).

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII - Required.

SRAN - Optional, blank for all SRANs. If input, the list of transactions will be restricted to transactions input by that SRAN only.

FROM DATE - Required.

TO DATE - Required.

TCCs - Up to eight (one required).

SORT SEQUENCE - One position code; "C" for command sort; "S" for SRAN sort.

INCLUDE INTERCHANGEABLE CIIs - "Y" or leave blank for no.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

SERIAL NUMBER

NHA SERIAL NUMBER

PROC DATE - Date transaction was processed.

TRAN DATE -Date the transaction occurred.

SRAN

SEQUENCE NUMBER

TCC

USER ID

CAT NO

TLC

TIME - Value input for catalog number and/or TLC.

Sample Format E112

E115 - OFFLINE 1534 HISTORY TRANSACTIONS

PCN: CED042NOE115A10A

PURPOSE: This TSO program displays in chronological order engine status/condition records stored off line. Records less than 3 years old are stored on-line and can be viewed via IMS program A275. This product requires the loading of archival tapes.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII

SN

FROM - Julian date

TO - Julian date

- Leave FROM and TO date blank for all data.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED CII

S/N

FROM DATE

TO DATE

SEQ NO

DATE

SRAN

TC

T - Type Report

CMD

O - Org

A - Acct

MDS

END ITEM

FHR

TFSR - Transferring SRAN

RR - Reason for Removal

P - Position No.

P DATE - Date posted to CEMS

TERM ID

PC

Sample Format E115

E118 - AGE SINCE NEW AND/OR REPAIR

PCN: CED042BRE118A10A

PURPOSE: This TSO program has two options:

Option 1 - List all serial numbers for requested CII at the possessing SRAN.

Option 2 - List all serial numbers for requested CII that were overhauled at the requested SRAN for category "H" or when category "V" is entered all serial numbers that had OCM reported. Report shows TSN, Limit, Time Since Overhaul and Depot Visit. Refer to Sample Format E118.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII - Required

TMSM - (Optional) Twelve positions, note this field sometimes starts with blanks. When input, product will be restricted to serial numbers with same TMSM. (##F010025B#)

SRAN - Required for option 2. Blank input will provide a fleet-wide product.

MDS - When input output will be restricted to that MDS (##F015A).

P/N - Optional or partial followed by Wild Card "*".

COMMAND - (Optional) Two position. When input, product will be restricted to serial numbers with same Command code.

TLC - Required

CAT CODE - Must be entered for option 2, "V" or "H".

FROM/TO DATE - Required for option 2, (99022).

SORT SEQUENCE - Required

TRANSFER - "Y" produces a PC formatted data set, "space" for paper formatted report.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED CII

NOUN

SET IND

REQ SRAN DSCRIP

REQ CMD

REQ TLCC

REQ TMSM

SERIAL NUMBER

PART NUMBER

TLCC

LIFE LIMIT

LIFE SINCE NEW

LIFE SINCE OVERHAUL

LIFE SINCE DEPOT VISIT

LIFE REMAINING - Computed based on the life span used. If Category (fourth position of TLCC) is "V" time since depot visit is used, if "H" time since overhaul is used, all others use Time Since New.

TMSM

MDS

OVERHAUL DATE

OCM DATE

Sample Format E118

E127 - ITEMS EXCEEDING LIFE LIMITS

PURPOSE: This TSO program produces four products:

1. Items exceeding life limit (for OC-ALC managed engines)
2. Items exceeding life limit (for SA-ALC managed engines)
3. Items exceeding life limit (F404 engine)
4. Items exceeding life limit by CII
5. Unmatched P/Ns

The first four products provide a list of items that have exceeded their life limit, over flown parts. Items exceeding life limit for OC-ALC and SA-ALC managed engines, product one and two are designed for the major Command Engine Management review and are sequenced by Command, SRAN, and engine S/N. Items exceeding limit by CII is designed for ALC engine management review and is sorted by CII, Command, SRAN and S/N. Only parts on engines installed in active aircraft are included. The fifth product is a data set of all S/N records that do not have a valid P/N limit (i.e., match on CII, P/N, and MDS code). This exception list of unmatched P/Ns represents data problems that must be corrected by the ALC engine managers. All products are automatically produced about the 15th day of each month and placed on browse.

- To access this job select option “B” from the “CEMS Technician Primary Menu”, on the next screen (“CEMS Browse Menu”) select option “E”. For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS: (Products 1-4)

CMD CODE
ENGINE CII
TIME FRAME
CMD ENGINE MANAGER CODE
PRIME ALC CODE
MDS
SRAN
AIRCRAFT SERIAL NUMBER
ENGINE SERIAL NUMBER
POS INST
ITEM CII
SERIAL NUMBER
NOUN
TLCC
LIFE LIMIT
LIFE REMAINING

AEC- Authorized Exception Code that allows deviation from directives.

DESCRIPTION OF OUTPUT DATA ELEMENTS: (Product 5)

CII
SERIAL NUMBER
MDS
PART NUMBER

Sample Format E127-1 Products 1-3

Sample Format E127-2 Product 4

Sample Format E127-3 Product 5

E132 TRACKED PARTS ACTUARIAL DATA • CDB use only

PURPOSE: This TSO program produces file transfer to client server containing time change limits, TSN and/or overhaul and other current data for tracked engines, modules, assemblies, and parts. The data is used to project spare support, part buys, workload scheduling, and maintenance of parts life tracked engines. This program is run in conjunction with E127, items exceeding life limits, to reduce processing time.

FREQUENCY: Quarterly, about the 15th of March, June, September, and December.

DESCRIPTION OF OUTPUT DATA:

CII

SERIAL NO

PART NO

TMSM

TCC

SRAN

COMMAND

ACCOUNT CODE

NHA CII - Blank on spare engines, installed engines to have MDS.

NHA SERIAL NO - Blank for engine and spare parts.

NHA PART NO - Blank for engine and spare parts.

AIRCRAFT SERIAL NO - Blank unless engine/part installed on A/C.

POSITION - Blank for all spare engines and parts.

ENGINE SERIAL NO - Highest installed on S/N (i.e. spare parts use own S/N; parts installed on spare assembly/module use assembly/module S/N).

K-FACTOR - Assumed three position decimal point. (i.e. X.XXX)

• **NOTE:** The following group of data elements have an occurrence of up to eight. Data will occur for each S/N (CE102170) and part number (CE103120) limit excluding warranty and inspection.

TYPE CODE - S = S/N limit or P = part number limit.

TLC - three position TLC code.

CATEGORY - N, V, or H only.

TSN or TSO - TSN for S/N limits and category N. TSO for categories V and H.

TIME CHANGE LIMIT - Serial number limit or part number frequency.

E314 - REMOVAL HISTORY

PCN: CED042BRE314A10A

PURPOSE: This TSO program provides removal history by S/N, dates, location, age values, and NHA serial number. This product is applicable to engines, modules, assemblies, and components.

NOTE: Input of Command and SRAN is optional. When SRAN is blank it may cause execution to exceed five minutes of CPU time and 20,000 lines of print rendering remote printers and communication lines unavailable until the job ends; therefore, fleet-wide use of this product should be requested so that it will execute during non-prime time only.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII - Required
 COMMAND - Optional
 SRAN - Optional
 FROM-DATE - Optional
 TO-DATE - Optional
 TMSM - Optional

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED CII
 NOUN
 REQ SRAN
 CMD CODE
 DATE INSTALLED
 DATE REMOVED
 PART NUMBER
 REASON FOR REMOVAL
 RMVL HOURS - EOT is displayed when tracked as applicable; otherwise FHRs are displayed.
 RMVL CYCLES - Calculated cycles as applicable are displayed.
 RMVL SRAN
 NHA SERIAL NUMBER
 NHA PART NUMBER
 NHA HOURS AT RMVL
 NHA CYCLES AT RMVL
 SERIAL NUMBER
 DATE LAST OVHL
 OVHL SRAN
 OWNING SRAN
 TMSM

Sample Format E314

E322 - ENGINE CONFIGURATION MATRIX F100

PCN: CED042BRE322A10A

PURPOSE: This TSO program will provide a matrix for readily determining the age of a module, or key accessories in an engine. It is restricted to the F100 engine. **NOTE:** In many cases, a request for this product will cause execution to exceed five minutes of CPU time and 20,000 lines of print rendering remote printers and communications lines unavailable until the job ends; therefore, this product should be run so that it will execute during non-prime time only.

There are three options available:

- Option 1 - All SRANs, specific command code
- Option 2 - All SRANs, and all command codes
- Option 3 - Specific SRAN, and all command codes

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII (Provided)
SRAN
COMMAND

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII
REQ SRAN
REQ CMD CODE
ENG OR ACFT SERIAL NUMBER
POS - Code identifying the physical location of an item of equipment.
SRAN DSCR
MDS
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
LF USE - (Life) The total amount of age accrued on an item at a specific point in time.

Sample Format E322

E323 - INVENTORY BY COMMAND AND/OR SRAN AND/OR UNIT

PCN: CED042BRE323A10A

PURPOSE: This TSO program provides requested data by CII, P/N, SRAN, Command code, and unit. Also provided are a list of item S/Ns in S/N sequence, with P/N, the current age values, percent of life remaining, location, NHA S/N, and aircraft and/or engine S/N.

- When this product is requested without restrictions (WW), it will cause excessive run and print time because of the large number of S/Ns on some CIIs.
- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII - Required

PART NUMBER - Optional. Left justified except for non-parts tracked engines; use TMSM.

SRAN - Optional.

COMMAND - Optional.

UNIT - Optional. Organization code.

PART NUMBER - Optional. Wild Card "*" is available on part number, at least one position followed by asterisk; i.e. 44105* and list will contain all parts that have part numbers starting with value to left of asterisk.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED CII

REQ PART NUMBER

NOUN

REQ SRAN

REQ CMD CODE

SERIAL NUMBER

PART NUMBER

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

SRAN DESCRIPTION

CMD CODE

NHA SERIAL NUMBER

AIRCRAFT and/or ENGINE SERIAL NUMBER

LIFE LIMIT

LIFE USED

LF REM PCT - (Life remaining)

DATE INST

ORGANIZATION CODE

Sample Format E323-1 (Sheet 1 of 2)

Sample Format E323-2 (Sheet 2 of 2)

E345 - AGE OF FLEET DISTRIBUTION

PCN: CED042BRE345A10A

PURPOSE: This TSO program provides a bar graph by age interval for the requested data. The product applies to all engines and tracked parts. Input of the CMD MDS, TMSM and SRAN, is optional. When input, the product will only use S/Ns that match on the requested values.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII

UPPER LIMIT - 7 position.

INTERVAL RANGE - 4 position.

COMMAND - 2 position, optional.

MDS - Optional.

TLC - 3 position, required

CAT - 1 position, required

TMSM - 12 position, optional. (i.e. ::F0102102::)

SRAN - 4 position, optional.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED CII

REQ CMD CODE

REQ INTERVAL RANGE - Identifies the grouping of hours and/or cycles used on bar graph scale.

REQ MDS

NOUN

REQ TLC

REQ UPPER LIMIT - Identifies the highest number used on bar graph scale.

HOOR OR CYCLE RANGE

Sample Format E345

E353 - AGE DISTRIBUTION OF REMOVAL**PCN: CED043BRE353A10A**

PURPOSE: This TSO program builds a bar graph by age distribution at the time an engine, module, assembly, or component is removed. The bar graph shows the actual digital number for the removals after a display of asterisks equating to the length of the number. These asterisks and numbers will vary depending on the removal quantities within an age range.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII

TLC

UPPER LIMIT - Seven position.

INTERNAL RANGE - Four position.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED CII

REQ TLC

NOUN

REQ INTERVAL RANGE - Identifies the grouping of hours and/or cycles used on bar graph scale.

REQ UPPER LIMIT - Identifies the highest number used on bar graph scale.

HOUR and/or CYCLE RANGE - Identifies the range for each increment on the bar graph scale.

Sample Format E353

E360 - ENGINE CONFIGURATION

PCN: CED042BRE360A10A

PURPOSE: This TSO program provides a configuration report with life remaining data for an engine or assembly and all of its lower assemblies. There are two options:

OPTION 1 - A listing of the requested CII and/or S/N and all items indentured below in P/N sequence.

OPTION 2 - A listing of the requested CII and/or S/N and all items indentured below sorted by tracking method (catalog number) then life remaining.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

OPTION

CII

SERIAL NUMBER

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED SERIAL NUMBER

REQ PART NUMBER

REQ CII

WUC

NOUN

TRK MTH - Tracking Method, two position numeric.

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

TSN

LIMIT

LIFE REMAINING

Sample Format E360

E361 - INSPECTION AND/OR TIME CHANGE AND/OR WARRANTY STATUS

PCN: CED042BRE361A10A

PURPOSE: This TSO program provides identity, location, NHA, TLCC, due time, current age, and life remaining data for parts with S/N limits.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

- There are two options available:

Option 1 - By CII and type category (W = warranty, T = time change, I = inspection, or A = all parts with and without S/N limits).

Option 2 - By CII and type code (fourth position of TLCC code).

The product can be further restricted to only those S/Ns that match on a requested part number, SRAN, and/or unit. It is sorted in serial number sequence. In general, this product is designed for use by warranty administrators to insure warranty expiration limits are properly established and by base engine managers to monitor establishment of inspection limits.

INPUT DATA ELEMENTS:

CII

PART NUMBER - (optional) Wild card "*" is available on P/N, enter at least one position followed by asterisk; i.e. 44105* and list will contain all parts that have P/Ns starting with value to left of asterisk.

SRAN - (optional)

UNIT - Organization code (optional)

TYPE CATEGORY and TYPE CODE - Type Category W (warranty) = type codes P, Q, and W
 Type Category T (time change) = type codes H, N, and V
 Type Category I (inspections) = all other type codes
 Type Category A = List all S/Ns with and without limits.

TRANSFER - One position (optional), a "Y" in this field will put requested data on a TDSC file to be transferred to PC computer.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

SERIAL NUMBER

PART NUMBER

NHA CII

NHA SERIAL NUMBER

ENGINE POSITION

INSTALLATION DATE

SRAN DESCRIPTION

ORGANIZATION CODE

CONDEMNED CODE

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

DUE TIME

TSN

TIME REMAINING

Sample Format E361

E362 - REMOVAL HOW MAL SUMMARY

PCN: CED042BRE362A10W

PURPOSE: This TSO program produces products that show the number of times an engine or component was removed for a HOW MAL code. Output is available by Command, SRAN or by S/N. There are two options:

Option 1 - REMOVAL SUMMARY BY HOW MAL

Option 2 - REMOVAL SUMMARY BY SERIAL NUMBER

Removal Summary by HOW MAL list number of base and depot removals by HOW MAL code. Base removals are those with Condition code of F or G. Depot removals are all others. Removal Summary by S/N list the HOW MAL code, date and SRAN of each removal by S/N. The input panel provides capability to limit output by FROM/TO date, Command, SRAN, S/N and HOW MAL CODE.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

OPTION

CII - Required.

SERIAL NUMBER - Must be blank for option 1 and optional for option 2. When input the output listing will be restricted to removals for that S/N.

COMMAND - Input is optional for engines. When input will restrict output to removals for that command. Do not use Command for components.

SRAN - Input is optional. If input product will be restricted to removals for that SRAN, blank input will provide a fleet wide product.

HOW MAL - Blank for option 1, optional for option 2 but if input product will be restricted to removals with that HOW MAL.

FROM/TO DATE - Julian date.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REMOVAL REASON

BASE REPAIR - Removals with condition code of F or G

DEPOT REPAIR - Removals with conditions other than F or G

DATE - Removal date.

TCC

SRAN

Sample Format E362

E371 - REQUIRED ITEMS NOT INSTALLED

PURPOSE: This IMS program displays all items not configured (installed) for the requested CII and Serial Number.

ENTER: /FOR CEOAE371

REQUIRED FIELDS:

CII
SERIAL NUMBER

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII
NOUN
QPA REQUIRED
QPA INSTALLED
NHA CII
NHA SERIAL NUMBER

ERROR MESSAGES:

- INVALID CII.
CII - Must not have blanks.
CII - Must begin with alpha.
CII - Is not applicable to requested product.
CII - Not found in database.
Corrective Action: Research CII and resubmit request.
- REQUESTER INFORMATION MISSING.
Requester's organization is blank.
Requester phone is blank.
Corrective Action: Requester's organization (12) spaces and/or requester's phone nine spaces must be submitted.
Example: Requester's organization OC-ALC/TILC. Requester's phone 8-7365492.
- INVALID SERIAL NUMBER.
Serial Number - Must not have blanks.
Serial Number - Not found in database.
Serial Number - Did not match requested CII.
Corrective Action: Research S/N and resubmit with 10 alphanumeric.
- INVALID TIME FRAME.
Time frame not numeric (YYDDD).
Time frame missing (beginning or ending).
Time frame beginning date newer than ending date.
Time frame for a period longer than retained in data bank (18 mos).
Time frame for PCN CEDO42.BRE125.A10A and CEDO42.BRE126.A10A not 30, 60, or 90.
Corrective Action: Research time frame and resubmit with appropriate data.
- ABNORMAL EOJ
Corrective action: Notify OC-ALC/TILC.

Sample Format E371

E372 - RATIO OF TRACKING TLCS

PCN: CED042BRE372A10A

PURPOSE: This TSO program displays total age and ratios for all TLC's. There are two options:

OPTION 1 - By CII, SRAN, unit (if unit is left blank, all engines for SRAN will be used) and time frame.

OPTION 2 - By CII, time frame, up to six engine S/Ns. SRAN and unit should be left blank.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII

SRAN

UNIT - Optional

TIME FRAME

ENGINE SERIAL NUMBER - Option 2

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED CII

SRAN

UNIT

TIME FRAME

TOTAL TIME

TLC EOT - Ratio of total accumulated age to EOT time.

TOTAL ENGINES

NOTE:

For those engines tracked by cycles at the engine level, the total number of TAC, CCY, etc will be displayed at bottom of page along with the cycle to EOT ratio.

Sample Format E372

E373 - TIME CHANGE AND INSPECTION FORECAST

PCN: CED042BRE373A10A

PURPOSE: This TSO program provides a forecast for one engine assembly or for all engines for the requested SRAN and unit. Those items configured to the engine that require time change or inspection for the projected hours will be listed. (Product applies to parts tracked engines only.) The product will be used by base engine management personnel to schedule engine maintenance.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

OPTIONS:

Option 1 - Data requested for a specific engine or assembly - Enter: CII and S/N.

Option 2 - Data requested for all engines assigned to a SRAN with or without unit - Enter: CII and SRAN, Leave Unit, S/N, and Command Code blank. Data requested for all engines for a specific unit - Enter: CII, SRAN, and Unit leave S/N and Command Code blank.

Option 3 - Data requested for all engines at a Command code - Enter: CII and Command code leave S/N, SRAN, and Unit blank.

PROJECTED EOT (use FHR if not tracked by EOT) - Enter - Estimated projected EOT (FHR) for the period to be covered by the forecasting report (Value equals daily EOT (FHR) times number of days in the forecasting period). All items with less projected EOT (FHR) remaining than the value of this entry will appear on the report.

DAILY EOT (FHR) USAGE - Enter - Estimated Daily EOT (FHR). Value will determine a due date based on projected EOT (FHR) remaining.

RATIOS - Used to convert time remaining in other tracking methods to projected EOT (FHR) remaining. When zero ratios are entered, they convert to 00001 because zero cannot be used as the denominator in the forecasting model. A good source for these ratios is program E372.

TIME CHANGE ONLY - Leave blank to produce time change and inspection forecast; enter "Y" to produce time change report only.

TRANSFER - Leave blank to produce a paper report. Enter "Y" to produce a dataset.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII

SERIAL NUMBER

WUC

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

TSN - The accrued age of an item since new.

DUE-TIME - The age when and item is due a time change or inspection.

TIME-REMAINING - The quantity of time that can accumulate before time change or inspection is due.

PROJECTED EOT REMAIN - The age of an item remaining until due time expressed in equivalent EOT.

PROJECTED FHR REMAINING - The age of an item remaining until due time expressed in equivalent FHR.

If any item has more than 13 tracking methods, the following message will appear: This S/N has excessive due times which may not be shown (CII and S/N). Contact OC-ALC/TILC

Sample Format E373

E374 - CII FORECASTING

PCN: CED042BRE374A10A

PURPOSE: This TSO program displays time change and inspection forecast for the requested CII, lower assemblies are not included. Some lower assemblies/parts may have earlier due times. For this reason, E373 should be used for general forecasting. However, this program is useful in specific cases, for example, if the scheduler wants to look only at engine inspections. Product can be sorted by S/N or projected due date. There are three options for this product: **NLAs are not included on report.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

Option 1 - Data requested for specific engines or assembly: Enter - CII and S/N.

Option 2 - Data requested on all engines assigned to a SRAN with or without unit: Enter - CII and SRAN, Leave Unit, S/N, and Command code blank. Data requested on all engines for a specific unit: Enter - CII, SRAN, and Unit, leave S/N and Command Code blank.

Option 3 - Data requested for all engines at a Command: Enter - CII and Command Code, leave S/N, SRAN, and Unit blank.

SORT - Enter "S" to sort by S/N or "X" to sort by projected due date.

PROJECTED EOT (use FHR if not tracked by EOT): Enter estimated projected EOT (FHR) for the period to be covered by the forecasting report (Value equals daily EOT (FHR) times number of days in the forecasting period). All items with less projected EOT (FHR) remaining than the value of this entry will appear on the report.

DAILY EOT (FHR) USAGE: Enter estimated daily EOT (FHR) (Value will determine a due date based on projected EOT (FHR) remaining).

RATIOS: Used to convert time remaining in other tracking methods to projected EOT (FHR) remaining. When zero ratios are entered, they convert to 00001 because a zero cannot be used as the denominator in the forecasting model. A good source for these ratios is program E372.

TIME CHANGE ONLY Leave blank to produce time change and inspection forecast; enter "Y" to produce time change report only.

TRANSFER - Leave blank to produce a paper report or enter "Y" to produce a dataset.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

Output will list all S/Ns for the requested SRAN and Unit with their time change and inspection due times. Same as program E373, except E373 list lower assemblies/parts.

Sample Format E374

E402 - MAINTENANCE SELECTION SUMMARY

PCN: CED042BRE402A10A

PURPOSE: This TSO program displays by S/N engines and their next lower CII and serial numbers. The product displays by TLCC the quantity of life remaining for depot use, the quantity of unaccomplished TCTOs and the quantity of manhours required to accomplish TCTOs for each serial number listed. The primary purpose of this product is to show the approximate extent of repair prior to input into a TRC maintenance facility.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII

SERIAL NUMBER

PART NUMBER

NOUN

SRAN DESCRIPTION

DATE REMOVED

REASON FOR REMOVAL CODE

CII

SERIAL NUMBER

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

DT RCV SUPPLY

DEPOT LIMIT

DEPOT LIFE USED

DEPOT LIFE REMAINING

LIFE LIMITING ITEM (LLI) - Indicates an installed item setting the limit for an assembly.

TCTO UNACCOMPLISHED O/I (QTY)

TCTO UNACCOMPLISHED MAINT HRS

TCTO UNACCOMPLISHED DEPOT (QTY)

Sample Format E402

E404 - SERIALIZED COMPONENT INSTALLATION OR REMOVAL

PCNs:

CED042BRE404A10A
CED042BRE404A20A
CED042BRE404A30A
CED042BRE404A40A
CED042BRE404A50A

PURPOSE: This TSO program provides a means to gather data at the TRCs. This product is requested by the CII and engine TMSM for the item being assembled or disassembled. This product displays the CII and the CIIs of the next lower items for the CII. The product provides a space for entering the serial number, P/N, reason for removal code, and aging data plus TCC for each item being removed or installed. This product is applicable to parts tracked engines, modules, and assemblies.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII
SERIAL NUMBER
PART NUMBER
NOUN
REASON FOR REMOVAL CODE
ACCUMULATED VALUES FOR TRACKING METHODS DISPLAYED
TCC
TMSM

Sample Format E404

E405 - CONFIGURATION CONTROL DOCUMENT

PCN: CED042BRE405A10

PURPOSE: This TSO program provides a means for changing the age on an item when required and changing the status of TCTOs, for specific serially controlled parts. This product displays the following data for each TLCC; life limit, life used, life remaining, age since overhaul, age since new, age since depot visit, and build limits for organization, intermediate and depot. This product also displays the following data for each TCTO applicable to the requested serial number; TCTO number, data code, description of change, TCTO type, TCTO status, level of maintenance, estimated manhours and kits-parts-tool if required. Also the prior to-concurrent with-subsequent to (PCS) code and TCTO number will be displayed if required.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII

SERIAL NUMBER

PART NUMBER

NOUN

LEVEL DEPOT MA-CHG - Type and extent of maintenance authorized to be accomplished at depot.

SPEC STAT CODE - Identifies an aerospace engine which has been assigned to a special status or program.

REASON FOR REMOVAL CODE - A brief narrative describing why an item is removed from its NHA.

OWN CODE - Denotes account to which an item is from or lost to in the W-W inventory.

TCC - Identifies the type of transaction being input on a CII and/or serial numbered item to maintain its proper status in the CDB.

TLC AND CATEGORY OF AGING AN ITEM.

LIFE LIMIT - The maximum quantity of time permitted to accumulate.

LIFE USED - Total amount of time accrued at a specific point in time.

CHANGE AGE - Used to change the quantity of life used.

LIFE REMAINING - The quantity of time that can be accumulated before maximum limit is reached.

AGE SINCE OVERHAUL - The quantity of time accumulated since item was overhauled at depot.

AGE SINCE NEW - The quantity of time accumulated since new.

AGE SINCE DEPOT VISIT - The quantity of time accumulated since minor repair at depot.

BUILD LIMITS ORG AND/OR LIMIT DEPOT - Maximum time permitted on an item installed at organizational or depot maintenance.

AEC - Identifies deviation from directives.

TCTO NUMBER

DATA CODE

PCS CODE TCTO NUMBER - Indicates TCTO accomplishing sequence, prior to, subsequent to, or concurrent with another TCTO and the TCTO number.

TCTO TYPE - Defines type and classification of TCTO.

TCTO STATUS - Identifies current status of specific TCTO.

LEV MA - Identifies type of repair facility where TCTO will be accomplished.

EST MNHRS - Estimated man-hours required to accomplish TCTO.

REQUIRED KPT - Designates if kits, parts, or tools are required to accomplish TCTO.

TCTO STAT DT - Identifies date status code was assigned.

Sample Format E405

E406 - ONLINE/OFFLINE AUTOMATED HISTORY

PCN: CED042.BRE406.A10A

PURPOSE: This TSO program provides both online and offline automated history and replaces the AFTO Form 95, Automated History, for the requested CII and S/N. Online automated history is no older than two years and can be viewed in TSO on program E407. Offline automated history is over two years and can be viewed in TSO on program E408.

This program has one option which provides all automated history for requested S/N and its lower assemblies.

- To access this job, select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

SERIAL NUMBER

CII - Can be engine, module/assembly or component

FROM/TO - Julian date, leave blank for all narrative history.

FROM/TO - Fields mark the beginning and end of automated history data.

SEQUENCE DATE - (1 position), J will cause data line date to be Julian, C for calendar (31DEC98).

TRANSFER - (1 position), Y will produce data set, space will produce screen and/or print product.

INCLUDE OFFLINE INTERCHANGEABLE CII - (1 position), "Y" includes interchangeable offline automated history records for a CII and its NLA (GE table and F119). "Blank" includes offline automated history for entered CII and its NLA only.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TIME FRAME - Indicates an interval of time from one time to another, per request.

DATE - When an historical event occurred.

TIME/SQ - Time of day an historical event occurred.

LN - Logical order in which lines of a given narrative are displayed.

TEXT - Applicable information, using as many lines as necessary, to document significant data.

Sample Format E406

E407 - ONLINE AUTOMATED HISTORY

PCN: CED042BRE407A10A

PURPOSE: This TSO program provides current configuration and replaces the AFTO Form 44, Turbine Wheel Historical Record, and AFTO Form 95, Significant Historical Data, for the requested CII and S/N. History over 2 years old can be viewed with TSO program E408. There are four options:

OPTION 1 - Configuration records only, PART I

OPTION 2 - Automated history, PART II

OPTION 3 - PARTS I and II

OPTION 4 - Yields automated history for S/N and its lower assemblies

- This product provides the S/N, P/N, noun, WUC, TLCC, TSN, limit, life used, life remaining, TCTO number, TCTO data code, TCTO status code, LCN and part position for F119 engines, and narrative historical data for all or a specific time frame.
- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

SERIAL NUMBER

CII

FROM/TO - Julian date (optional time and sequence number) leave blank for all narrative history Note.

FROM/TO fields mark the beginning and end of narrative data and are not entered for option 1.

SEQUENCE DATE - (1 position), J will cause part 2 data line date to be julian, C for calendar (31DEC98).

TRANSFER - (1 position), Y will produce data set, space will produce screen and/or print product.

DESCRIPTION OF OUTPUT DATA ELEMENTS:**PART 1:**

CII

SERIAL NUMBER

PART NUMBER

NOUN

WUC

SRAN

SRAN DESCRIPTION

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

TSN - Accrued time since item was new.

LIMIT - The maximum time permitted to accumulate before time change, inspection, or warranty expiration.

USED - The accrued time at a specific point.

REMAIN - The quantity of time that can accumulate before maximum limit is reached.

TCTO NUMBER - A number used to identify a specific TCTO.

DATA CODE - A number assigned to facilitate data processing.

STATUS DATE - The date status code was established.

STATUS CODE - Identifies current status of a specific TCTO.

LCN and PART POSITION - For F119 engines

PART 2:

TIME FRAME - Indicates an interval of time from one time to another, per request.

DATE - When an historical event occurred.

TIME/SQ - Time of day an historical event occurred.

LN - Logical order in which lines of a given narrative are displayed.

TEXT - Applicable information, using as many lines as necessary, to document significant data.

Sample Format E407-1 (Part 1)

Sample Format E407-2 (Part 2)

Sample Format E407-3 (F119 Part 1)

E408 - OFFLINE AUTOMATED HISTORY

PCN: CED042.BRE408.A10A

PURPOSE: This TSO program provides a product that lists automated history over two years old for the requested CII and S/N. Automated history records up to two years old can be viewed in IMS on program A295 or TSO on program E407. Offline automated history is over two years and can be viewed in TSO on program E408.

This program has one option that provides offline automated history for requested S/N and its lower assemblies. (NLA).

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

SERIAL NUMBER

CII - Can be engine, module/assembly or component

FROM/TO - Julian date, leave blank for all narrative history.

FROM/TO - Fields mark the beginning and end of automated history data.

SEQUENCE DATE - (1 position), "J" will cause data line date to be Julian, C for calendar (31DEC98).

TRANSFER - (1 position), "Y" will produce data set, space will produce screen and/or print product.

INCLUDE OFFLINE INTERCHANGEABLE CII - (1 position), "Y" includes all interchangeable offline automated history records for a CII and its NLA (GE table and F119). "Blank" includes offline automated history for entered CII and its NLA only.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TIME FRAME - Indicates an interval of time from one time to another, per request.

DATE - When an historical event occurred.

TIME/SQ - Time of day an historical event occurred.

LN - Logical order in which lines of a given narrative are displayed.

TEXT - Applicable information, using as many lines as necessary, to document significant data.

Sample Format E408

E408 - OFFLINE AUTOMATED HISTORY

PCN: CED042.BRE408.A10A

PURPOSE: This TSO program provides a product that lists automated history over two years old for the requested CII and S/N. Automated history records up to two years old can be viewed in IMS on program A295 or TSO on program E407. Offline automated history is over two years and can be viewed in TSO on program E408.

This program has one option that provides offline automated history for requested S/N and its lower assemblies. (NLA).

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:**SERIAL NUMBER**

CII - Can be engine, module/assembly or component

FROM/TO - Julian date, leave blank for all narrative history.

FROM/TO - Fields mark the beginning and end of automated history data.

SEQUENCE DATE - (1 position), "J" will cause data line date to be Julian, C for calendar (31DEC98).

TRANSFER - (1 position), "Y" will produce data set, space will produce screen and/or print product.

INCLUDE OFFLINE INTERCHANGEABLE CII - (1 position), "Y" includes all interchangeable offline automated history records for a CII and its NLA (GE table and F119). "Blank" includes offline automated history for entered CII and its NLA only.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TIME FRAME - Indicates an interval of time from one time to another, per request.

DATE - When an historical event occurred.

TIME/SQ - Time of day an historical event occurred.

LN - Logical order in which lines of a given narrative are displayed.

TEXT - Applicable information, using as many lines as necessary, to document significant data.

Sample Format E408

E409 - MANDATORY TIME MANAGED AND/OR CHANGED ITEMS

PCN: CED042BRE409A10A

PURPOSE: The purpose of this TSO program is to replace AFTO Form 781E, Accessory Replacement Document, for engine accessories. This product will become the historical record for all time changed items for an engine by a CII and serial number. There are no requesting options. Provided on this product is the S/N, P/N, noun, WUC, TLCC, life limit, life used, and age at time of installation for each installed item. Data is provided for engine, assemblies, and accessories. Also data is provided for PF10031, 32, 72 embedded parts and PF11822, 36, 37, 42, 43, 86, G7, G8, and J3 embedded parts.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII
SERIAL NUMBER

DESCRIPTION OF OUTPUT DATA ELEMENTS:

DATE FROM - The starting date for history during a specific time frame.

DATE TO - The ending data for requested history.

ORGANIZATION - This space is provided for the crew chief to enter their organization.

SRAN DESCRIPTION - A name assigned to a specific base, depot repair, or contractor.

MDS - The official DOD/AF designation for a weapon and/or support system or a standard unit of hardware.

NHA S/N - The unique S/N of a higher indentured item on which a specified item is installed.

S/N

NOUN

WUC

TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.

LIFE LIMIT - The maximum time permitted to accumulate.

LIFE USED - The time accrued at a specific point.

NHA AGE AT INST - The time accrued on the NHA when item is installed.

Sample Format E409

E415 - AUTHORIZED EXCEPTION CODES DETAIL AND/OR SUMMARY**PCN: CED042BRE415A10A**

PURPOSE: This TSO program provides a list of S/Ns that have had exception codes established within a CII and provide a summary for the total exception codes used. This product provides the S/N, P/N, AEC, and AEC description. There are two options:

Option 1 - CII, SRAN, and exception code.

Option 2 - CII, SRAN, and ALL exception codes.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:**REQUESTED CII****NOUN** - A descriptive name of an item.**SRAN** - Data restricted to one particular SRAN.**AUTHORIZED EXCEPTION CODE** - Identifies authorized deviation to currently approved operational and/or maintenance directives.**S/N****PART NUMBER****AEC** - Identifies authorized deviation to currently approved operational and/or maintenance directives.**AEC DESCRIPTION****Sample Format E415**

E440 SERIAL NUMBER LIMIT STATUS and HISTORY

PCN: CED042BRE440A10A

PURPOSE: This TSO program will provide an inventory of all serial numbers for the requested CII and show their serial number limit status and history of the requested TLCC. Off-line update history, records over 18 months, as well as current data are provided. When SRAN is input only serial numbers at that SRAN will be listed. Base engine managers can use this product to list all engine or parts at their base with their status and history for an inspection TLCC. ALC engine managers can request a fleet wide report to monitor inspection compliance. The program can also be used to monitor warranty and time change serial number status and history depending on the TLCC requested.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

CII - Required

TLCC - Required

SRAN - Optional, when input the list of serial numbers will be restricted to those currently at that SRAN.

FROM DATE - Five position Julian, optional, when input history will start with this date.

TO DATE - Five position Julian, optional, when input history will end with this date.

- To include serial numbers not in CEMS, a "Y" will have the report also include serial numbers that are not currently on segment CE102RSG. These would be serial numbers that have been deleted, changed or had their CII changed.
- For File Transfer, enter a "Y" to produce a data set.
- For sort sequence, use "S" for serial number or "B" for SRAN then serial number.

OUTPUT DATA ELEMENTS:

Refer to Sample Format E440

2-11 D042F (TCTO) Programs

F000 - TCTO MASTER APPLICABILITY RECORD

PURPOSE: This IMS program displays the requested TCTO master applicability record by CII and data code.

PCN: CED042.MRF000.A1SA

ENTER: /FOR CEOAF000

REQUIRED FIELDS:

CII

DATA CODE - example: 0212269

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII

DATA CODE - The seven-digit number assigned to each TCTO to facilitate data processing requested for this job.

NOUN - A descriptive name of the requested CII.

TCTO NUMBER - A number used by the Air Force to identify a specific TCTO.

TCTO TITLE - A brief description of the subject of the requested data code.

EST MNHRS - The estimated manhours to accomplish one item applicable to the TCTO. Assumed decimal, last position represents tenths of an hour.

REQ K-P-T - Required kits, parts, and tools. "Y" denotes yes; and "N" denotes no.

SAFETY TCTO - "Y" denotes yes; and "N" denotes no.

QTY OF ITEMS AFFECTED - Total serial numbers within requested CII that are applicable to the requested CII.

ENGINEERING CHANGE PROPOSAL NUMBER (ECP) - Number assigned by contractor to a proposed modification or change.

RELEASE DATE. The day, month, and year that requested TCTO was released by prime ALC for accomplishment (ddmmyyyy).

RESCISSION DATE. The day, month, and year that the requested TCTO was or will be rescinded. (ddmmyyyy).

TCTO TYPE - The type and classification of requested TCTO. (See table below.)

LEVEL OF MAINT - The type repair facility accomplishing this TCTO. (See table below.)

WHEN ACCOMPLISHED - Identifies the time limit in which requested TCTO is to be accomplished (see table below).

IND LEVEL - The indenture code of requested CII (See table below).

PRIOR CONCURRENT AND/OR SUBSEQUENT TCTO - The TCTOs to be accomplished before, with, or after the requested TCTO.

INDENTURE LEVEL:

CODE	DESCRIPTION
1	Aircraft
2	Engine
3	Module
4	Assembly or Sub-Assembly
5	Component

TCTO TYPE:

1 - Immediate Action

2 - Urgent Action

3 - Routine Action or Record Type

4 - Deleted

5 - Deleted

6 - Deleted

7 - Event Type

8 - Routine Actions - Permanent MOD

A - Immediate Action Inspection

B - Urgent Action Inspection
F - Routine Action Inspection
G - Event Type Inspection

LEVEL OF MAINT:

A - Organizational and/or intermediate level maintenance involving a safety condition.
B - Depot level maintenance involving a safety condition.
C - Organizational and/or intermediate - permanent MOD.
D - Depot level - permanent MOD.
E - Depot updating.
F - Organizational and/or intermediate updating.
G - Depot updating safety.
H - Organizational and/or intermediate updating safety.
1 - Organizational and/or intermediate level other.
2 - Depot level other.

WHEN ACCOMPLISHED:

1 - Used when an engine series TCTO is issued concurrently with an aircraft series immediate action TCTO. Indicates equipment grounded pending accomplishment of work.
2 - Used when an engine series TCTO is issued concurrently with an aircraft series urgent action TCTO and indicates the TCTO is to be accomplished within 10 days.
3 - Routine TCTOs that are to be accomplished in 30 days or less.
4 - Routine TCTOs that are to be accomplished to 60 days or less.
5 - Routine TCTOs that are to be accomplished in 90 days or less.
6 - Routine TCTOs that are to be accomplished in 360 days or less.
7 - Category II routine TCTOs (depot level maintenance).
8 - Record type TCTOs.
9 - Event - TCTOs that are to be accomplished at the next JEIM: next period.

ERROR MESSAGES:

- Since only the TCTO number is used as input, there are no error messages; however, the output shows dashes (-) under the headings if the TCTO number entered is erroneous or not loaded in CEMS.

Sample Format F000

F001 - TCTO NUMBER WITH APPLICABLE DATA CODE AND CII

PURPOSE: The intent of this TSO program is to give the user basic information about a TCTO when only the TCTO number is known. The program produces an output product that lists the data code, TCTO title, TCTO release and rescission date, CII, and number of S/Ns loaded for a maximum of five TCTO numbers input.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT REQUIRED:**TCTO NUMBER**

- Left justified
- Up to five TCTO numbers may be input per screen
- Include all dashes and parenthesis

DESCRIPTION OF OUTPUT DATA:

TCTO NUMBER - the TCTO number(s) input.

DATA CODE - the data code assigned to this TCTO must be used as input on most TCTO CEMS jobs.

TCTO TITLE - an abbreviated title for this TCTO.

TCTO REL DATE - Release date (DDMMYYYY).

TCTO REC DATE - Rescission date (DDMMYYYY).

CII - CII(s) listed reflect the levels at which the TCTO is loaded. Some TCTOs are loaded at more than one CII level and must be reported against each level.

SERIAL NUMBER - Total quantity of serial numbers loaded against the TCTO.

ERROR MESSAGES:

TCTO NUMBER NOT FOUND.

TCTO NUMBER TAPE RETIRED

Sample Format F001

F005 TCTO STATUS BY SELECTED SERIAL NUMBER

PURPOSE: This IMS program displays TCTO data by TCTO number sequence for a CII and Serial Number.

PCN: CED042.MRF005.A1SA

ENTER: /FOR CEOAF005

REQUIRED FIELDS:

CII

SERIAL NUMBER

TCTO LEVEL - F = FIELD LEVEL only

D = DEPOT LEVEL only

Blank = All TCTOs

TCTO OPT -

O = Open TCTOs only (status codes 06 - 21)

C = Closed TCTOs only (status codes 01 - 05, 22)

W = Workable TCTOs only (status codes 06, 08, 12, 14 or 17)

Blank = All TCTOs

DESCRIPTION OF OUTPUT DATA ELEMENT HEADINGS:

CII

SERIAL NUMBER

REQUESTED LEVEL

REQUESTED OPTION

COND CD - M = Installed, S = Spare, X = Condemned

SRAN

NOUN

PART NUMBER

TCTO NUMBER - Identifies a specific TCTO

DATA CODE - A number assigned to each TCTO to facilitate data processing.

TCTO TYPE - The type and classification of the TCTO. (See table below)

TCTO STATUS - Identifies the current status and status change of the TCTO. (See table below)

PASS/FAIL - "P" denotes serial number passed inspection TCTO. "F" denotes serial number failed inspection TCTO. Data is entered upon compliance of TCTO (01, 02, 03 status). Requirement is established by depot.

RESC DATE - The day, month, and year that the TCTO was, or will be rescinded (ddmmyyyy).

ACCOMP DATE - Identifies the date TCTO is to be accomplished on associated serial number based on assigned "When to Accomplish" code and workable TCTO status date. This date will be programmatically updated and deleted if not manually input. The word "EXPIRED" will be programmatically depicted in this field when the Accomp Date is less than current date. This date will be input and updated by the possessing base. The word "GROUNDED" will go into this field 60 days prior to TCTO rescission date.

REQUIRED K-P-T (kits, parts, tools) "Y" - denotes Yes, "N" - denotes No.

LEVEL MAINT - The type repair facility where the TCTO is accomplished. (See table below.)

EST MNHRS - The estimated manhours to accomplish one item applicable to the TCTO.

O/I LEVEL UNACCOMPLISHED QTY - A count of records in the TCTO status record which have a current status code 06 - 21, with a TCTO-level of F, 1, A, C or H.

O/I LEVEL UNACCOMPLISHED MNHRS - A cumulative total of estimated manhours in the TCTO status record which have status code 06 - 21, with a TCTO-level of F, 1, A, C or H.

DEPOT LEVEL UNACCOMPLISHED QTY - A count of records in the TCTO status record which have status code 06 - 21, with a TCTO-level of D, 2, B, E or G.

DEPOT LEVEL UNACCOMPLISHED MNHRS - A cumulative total of estimated manhours in the TCTO status record which have a current status code of 06 - 21, with a TCTO-level of D, 2, B, E or G.

TOTAL UNACCOMPLISHED QTY - A count of records in the TCTO status record which have a current status code of 06 - 21.

TOTAL UNACCOMPLISHED MNHRS - A cumulative total of estimated manhours in the TCTO status record in current status code of 06 - 21.

O/I LEVEL ACCOMPLISHED QTY - A count of records in the TCTO status record which have a current status code of 01 - 05, 22 with a TCTO-level of F, 1, A, C or H.

O/I LEVEL ACCOMPLISHED MNHRS - A cumulative total of actual manhours in the TCTO status record which have a current status code of 01 - 05, 22 with a TCTO-level of F, 1, A, C or H.

DEPOT LEVEL ACCOMPLISHED QTY - A count of records in the TCTO status record which have a current status code of 01 - 05, 22 with a TCTO-level of D, 2, B, E or G.

DEPOT LEVEL ACCOMPLISHED MNHRS - A cumulative total of actual manhours in the TCTO status record which have a current status code of 01 - 05, 22 with a TCTO-level of D, 2, B, E or G.

TOTAL ACCOMPLISHED QTY - A count of records in the TCTO status record which have a current status code of 01 - 05, 22.

TOTAL ACCOMPLISHED MNHRS - A cumulative total of actual manhours in the TCTO status record which have a current status code of 01 - 05, 22.

INSTRUCTIONS:

PA1 = Forward one page at a time

PF2 = Return to first page

PF7 = Return to previous page

PF9 = Forward to last page.

TCTO TYPE:

1 - Immediate Action

2 - Urgent Action

3 - Routine Action or Record Type

4 - Deleted

5 - Deleted

6 - Deleted

7 - Event Type

8 - Routine Action - Permanent MOD

A - Immediate Action Inspection

B - Urgent Action Inspection

F - Routine Action Inspection

G - Event Type Inspection

TCTO LEVEL:

CODE - DESCRIPTION

1 - Organizational and/or Intermediate Level - Other

A - Organizational and/or Intermediate Level - Permanent Safety

C - Organizational and/or Intermediate Level - Permanent MOD

F - Organizational and/or Intermediate Level - Updating TCTO

H - Organizational and/or Intermediate Level - Updating Safety TCTO

2 - Depot Level - Other

B - Depot Level - Permanent Safety

D - Depot Level - Permanent MOD

E - Depot Level - Updating TCTO

G - Depot Level - Updating Safety TCTO

TCTO STATUS:

01 - TCTO completely complied with.

02 - TCTO previously complied with.

03 - TCTO complied with by record check or inspection.

04 - TCTO N/C/W cancelled.

05 - Equipment permanently transferred or lost from Air Force inventory.

06 - TCTO partially C/W ready for work.

07 - TCTO partially C/W kits and/or parts and/or tools test equipment on order.

08 - TCTO N/C/W condition inspection required.

09 - TCTO N/C/W held in abeyance.

10 - TCTO N/C/W placed in work or reported C/W in error.

11 - TCTO N/C/W kits and/or parts on order but not received.

12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required.

13 - TCTO N/C/W test support equipment not available.

14 - TCTO N/C/W kits and/or parts/test equipment on hand but equipment not available for modification.

15 - TCTO N/C/W event type.

- 16 - TCTO N/C/W depot level TCTO only.
- 17 - TCTO N/C/W TCTO ready for work.
- 18 - Depot level TCTO, partially complied with.
- 19 - TCTO not released by the prime ALC.
- 20 - TCTO N/C/W kits on hand, parts on order.
- 21 - TCTO N/C/W established in CEMS CDB with release and rescission date. Applies to Organization/Intermediate level TCTOs.
- 22 - TCTO not applicable to this equipment.

LEVEL MAINTENANCE:

- A - Organizational and/or intermediate level maintenance involving a safety condition.
- B - Depot level maintenance involving a safety condition.
- C - Organizational and/or intermediate - permanent MOD.
- D - Depot level - permanent MOD.
- E - Depot updating.
- F - Organizational and/or intermediate updating.
- G - Depot updating safety.
- H - Organizational and/or intermediate updating safety.
- 1 - Organizational and/or intermediate level other.
- 2 - Depot level other.

ERROR MESSAGES:

- CII S/N NOT FOUND - Requested CII and serial number does not match any CII/S/N in CDB.
- NO TCTOs SELECTED - No data was selected for the combination of options requested.
- INVALID TCTO OPTION - The requested TCTO option must equal W, C, O, or blank.
- INVALID TCTO LEVEL - The requested TCTO level must equal F, D, or blank.

Sample Format F005

F020 - TCTO MASTER APPLICABILITY RECORD

PCN: CED042.BPF020.A10A

PURPOSE: This TSO program displays data for all TCTOs applicable to requested CII in TCTO number sequence.

In many cases, this TCTO master applicability record will cause execution to exceed five minutes of CPU time and 20,000 lines of report data. It should be requested so that it will execute during non-prime time only.

INPUT REQUIRED:

NUMBER OF DEFINITIONS - Must be 1

CII

TRANSFER - Blank for normal output; "Y" for dataset

DESCRIPTION OF OUTPUT DATA:

REQUESTED CII

NOUN

INDENTURE: 1 = Aircraft, 2 = Engine, 3 = Module, 4 = Assembly or Sub-Assembly, 5 = Component

TCTO NUMBER

DATA CODE

PART NUMBER OLD - Part number used to identify the item prior to this TCTO.

PART NUMBER NEW - Part number assigned to the item after TCTO modification

LEVEL OF MAINTENANCE:

A = Organizational/Intermediate level maintenance involving a safety condition.

B = Depot level maintenance involving a safety condition

C = Organizational/Intermediate level - Permanent MOD

D = Depot level - Permanent MOD

E = Depot Update

F = Organizational/Intermediate Update

G = Depot Update Safety

H = Organizational/Intermediate Update Safety

1 = Organizational/Intermediate level (other)

2 = Depot level (other)

WHEN ACCOMPLISHED:

1 - Used when an engine series TCTO is issued concurrently with an aircraft series immediate action TCTO. Indicates equipment grounded pending accomplishment of work.

2 - Used when an engine series TCTO is issued concurrently with an aircraft series urgent action TCTO and indicates the TCTO is to be accomplished within 10 days.

3 - Routine TCTO to be accomplished in 30 days or less.

4 - Routine TCTO to be accomplished in 60 days or less.

5 - Routine TCTO to be accomplished in 90 days or less.

6 - Routine TCTO to be accomplished in 360 days or less.

7 - Category II routine TCTO (Depot Level Maintenance).

8 - Record type TCTO.

9 - Event type TCTO - To be accomplished at the next JEIM.

RELEASE DATE

RESC DATE - Rescission date

REQ K-P-T - Requires Kits, Part, or Tools. Y = Yes, N = No

EST MNHRS - Estimated Manhours. The last position represents tenths of an hour.

EQUIP SPEC - Unique code assigned to individual technician of depot repair facility.

TCTO TYPE

1 - Immediate Action

2 - Urgent Action

3 - Routine Action or Record Type

4 - Deleted

5 - Deleted

6 - Deleted

7 - Event Type

8 - Routine Actions - Permanent MOD

A - Immediate Action Inspection

B - Urgent Action Inspection

F - Routine Action Inspection

G - Event Type Inspection

TCTO CLASS - Not currently used.

USAF MOD-NBR - Modification number of an item, will be written in this form: ANNNNNA:

1st ALPHA - Status of Modification (Budget - B, Tentative - T, Firm - F).

1st NUMERIC - Initiating Activity.

2nd NUMERIC - Fiscal Year Designator (last digit of fiscal year).

3rd, 4th, 5th NUMERIC - Consecutive fiscal year modification numbers.

LAST ALPHA - Identifies modification class as Safety - A, Mission Essential - B, or Logistics - C

PCN-NBR - Production change notice. This is a number assigned to a class 2 ECP submitted by a contractor notifying the user of a change in the material or design of a configured item.

TCTO TITLE

DESCRIPTION OF CHANGE

ECP NUMBER - Engineering change proposal number assigned by a contractor to a proposed modification of this TCTO.

PRIOR, CONCUR, AND/OR SUBSEQ CODE - One-position code indicating the TCTO accomplishing sequence:

P - Prior to another TCTO

S - Subsequent to another TCTO

C - Concurrent with another TCTO

1 - Prior/subsequent

2 - Prior/concurrent

3 - Subsequent/concurrent

4 - Prior/subsequent/concurrent

Blank

PRIOR, CONCUR, AND/OR SUBSEQ TCTO NUMBER - The TCTO number associated with the prior, concur, and/or subsequent code.

S/N APP - Indicates whether all serial numbers or select S/Ns apply to the specific TCTO:

1 = All S/Ns

5 = Select S/Ns

S/N RANGE STARTING - The first serial number of an in-sequence range of serial numbers applicable to this TCTO.

S/N RANGE ENDING - The last serial number of an in-sequence range of serial numbers applicable to this TCTO.

QTY ITEM AFFECTED - A count of S/Ns within the CII number assigned to this TCTO.

ERROR MESSAGES:

INVALID REQUESTED CII

Sample Format F020

F030 - TCTO ACCOMPLISHMENT STATUS SUMMARY

PCN: CED042.BPF030.A10A

PURPOSE: This TSO job displays TCTO accomplishment status summary in TCTO number sequence. After submitting a job it will return to the definition panel screen for additional jobs instead of the main menu screen. Additional jobs may be submitted from the definition panel, therefore, expediting the process.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:

NUMBER OF DEFINITIONS - must be 1

OPTION

Option 1 - Provides all applicable TCTOs within a CII for a specified SRAN.

Enter the SRAN, (example = 2039).

Option 2 - Provides all applicable TCTOs within a CII for a specified Command.

Enter Command Code, (example = 4Z).

Option 3 - Provides all applicable TCTOs within a CII worldwide.

Leave command code and SRAN blank.

CII

COMMAND - use only with option 2

SRAN - use only with option 1

LEVEL INDICATOR - F = Field level only; D = Depot level only; Blank = Both.

NLA IND - Y = CII level entered and all lower CII's.

N = Requested CII level only.

TRANSFER - leave blank for normal output, enter "Y" for dataset.

NOTE: If NLA is requested, this job can be long running. No more than one job should be submitted at a time. Product should be requested so that it will execute during non-prime time only. Prime time is 0800-1200 and 1300-1600 CST.

DESCRIPTION OF OUTPUT DATA:**CII**

NOUN - Descriptive name of the requested item.

INDENTURE - 1 = Aircraft, 2 = Engine, 3 = Module, 4 = Assembly or Sub-Assembly, 5 = Component.

REQ SRAN - Blank if not requested.

SRAN DESCRP - Descriptive name of the requested SRAN.

REQ CMD CODE - Blank if not requested.

REQ NLA - Y or N

REQ LEV OF MAINT - Organization/Intermediate, Depot or both.

TCTO NUMBER - A number used by the Air Force to identify a specific TCTO.

DATA CODE - A number assigned to each TCTO to facilitate data processing.

RELEASE DATE - The date the TCTO was released by the prime ALC for accomplishment.

RESC DATE - The date the TCTO was or will be rescinded.

LEVEL OF MAINTENANCE - The type repair facility where the TCTO is accomplished:

A = Intermediate Safety

B = Depot Safety

C = Intermediate - Permanent MOD

D = Depot - Permanent MOD

E = Depot Update

F = Intermediate Update

G = Depot Update Safety

H = Intermediate Update Safety

1 = Intermediate (other)

2 = Depot (other)

TCTO TYPE:

1 - Immediate Action

2 - Urgent Action

3 - Routine Action or Record Type

4 - Deleted

- 5 - Deleted
- 6 - Deleted
- 7 - Event Type
- 8 - Routine Action - Permanent MOD
- A = Immediate Action Inspection
- B = Urgent Action Inspection
- F = Routine Action Inspection
- G = Event Type Inspection

WHN ACC - When accomplished.

- 1 - Used when an engine series TCTO is issued concurrently with an aircraft series immediate action TCTO. This indicates equipment grounded pending accomplishment of work.
- 2 - Used when an engine series TCTO is issued concurrently with an aircraft series urgent action TCTO and indicates the TCTO is to be accomplished within 10 days.
- 3 - Routine TCTOs that are to be accomplished in 30 days or less.
- 4 - Routine TCTOs that are to be accomplished in 60 days or less.
- 5 - Routine TCTOs that are to be accomplished in 90 days or less.
- 6 - Routine TCTOs that are to be accomplished in 360 days or less.
- 7 - Category II routine TCTOs (depot level maintenance).
- 8 - Record type TCTOs.
- 9 - Event - TCTOs that are to be accomplished at the next JEIM: next period.

REQUIRED K-P-T - Requires Kits, Parts or Tools. Y = Yes, N = no.

EST MNHRS - Estimated manhours to accomplish one item applicable to the TCTO. The last position represents tenths of an hour.

QTY ITEM AFFECTED - A count of all applicable S/Ns in TCTO status codes 01-21 (status code 22 which means not applicable, is not included in this count).

QUANTITY OF ITEMS ACCMP (Closed) - A count of records in the TCTO status record which have a current status code of 01-05.

QUANTITY OF ITEMS UNACC - A count of records in the TCTO status record which have a current status code greater than 05, except for status code 19.

PCT ACC (Percentage Accomplished) - Quantity of items accomplished divided by total quantity of items to accomplish multiplied by 100.

ORGAN AND/OR INTER MNHRS ACCMP - A cumulative total of actual manhours in the TCTO status record which have a current status code less than 05, with a TCTO Level of Maintenance of "A" or "1" or "C" or "F" or "H".

ORGAN AND/OR INTER MNHRS UNACC - A cumulative total of estimated manhours in the TCTO status record which have a current status code greater than 07, except for status code 19, with a TCTO Level of Maintenance of "A" or "1" or "C" or "F" or "H".

DEPOT MNHRS ACCMP - A cumulative total of actual manhours in the TCTO status record which have a current status code less than 05, with a TCTO Level of Maintenance of "D" or "2" or "B" or "E" or "G".

DEPOT MNHRS UNACC - A cumulative total of estimated manhours in the TCTO status record which have a current status code greater than 07, except for status code 19 with a TCTO Level of Maintenance of "D" or "2" or "B" or "E" or "G".

MANHOURS RELEASED - A cumulative total of estimated manhours in the TCTO status record which have a current status code greater than 07, except for status code 19.

MANHOURS NON-RELEASED - A cumulative total of estimated manhours in the TCTO status records which have a current status code of 19.

MANHOURS ACCOMPLISHED - A cumulative total of actual manhours in the TCTO status record which have a current status code of 01 through 03.

MANHOURS UNACCOMPLISHED - A cumulative total of estimated manhours in the TCTO status record which have a current status code greater than 07, except for status code 19.

ERROR MESSAGES:

INVALID CII REQUESTED. CII requested not listed on CII master file (CE103RSG)

NO TCTO DATA FOR REQUESTED CII

INVALID REQUESTED COMMAND CODE. Command code requested not on table (CE101RSG)

INVALID REQUESTED SRAN. SRAN requested not in master record (CE100RSG)

Sample Format F030

F032 - TCTO COMPLIANCE/NON-COMPLIANCE QUANTITIES AND PERCENTAGES

PURPOSE: The primary purpose of this TSO program is to produce a summary product of TCTO compliance/non-compliance quantities and percentages.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

REQUIRED FIELDS:

CII

DATA CODE - Seven digit number assigned to each TCTO.

OPTION - 1 = By SRAN, 2 = By Command, 3 = Worldwide.

SRAN - For use with option 1 only.

COMMAND - For use with option 2 only.

TRANSFER - Leave blank for normal output; "Y" for dataset.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

CII

LOCATION - Descriptive name of each SRAN.

QTY S/N LOADED - Total quantity of serial numbers loaded for each SRAN.

QTY COMPLIED - Total quantity of serial number in status codes 01, 02, and 03 for each SRAN.

*QTY CLOSED - Total quantity of serial numbers in a closed status (01-05, 22) for each SRAN.

NOT COMPLIED WITH - Total quantity of serial numbers in an open status (06-21) for each SRAN.

N/A (22) - Total quantity of serial numbers in status code 22 (not applicable) for each SRAN.

QTY CANCELED (04) - Total quantity of serial numbers in status code 04 (canceled) for each SRAN.

QTY LOST (05) - Total quantity of serial numbers in status code 05 (lost) for each SRAN.

*PERCENT COMPLETED - Percent of serial numbers in status codes 01-05, 22 for each SRAN.

TOTALS - Totals provided for the above headings/columns.

TOTAL PERCENT COMPLETED - Total percent of serial number in status codes 01-05, 22 for all SRANs listed.

*Totals include all serial numbers in a closed status (01-05, 22) which includes complied with (01, 02, 03), not applicable (22), requirement canceled (04, and/or coded as a loss (05).

ERROR MESSAGES:

INVALID CII

INVALID DATA CODE

REQUESTED CII AND DATA CODE COMBINATION IS NOT VALID.

REQUESTED COMMAND CODE IS NOT VALID.

REQUESTED SRAN NOT VALID.

TCTO IS RETIRED FOR REQUESTED DATA CODE (*****).

Sample Format F032

F035 - TCTO STATUS REPORT (Accomplishing SRAN data)

PCN: CED042.BRF035.A10A

PURPOSE: This TSO job produces a report entitled "TCTO Status Report". The primary purpose of this product is to provide TCTO status data on each S/N applicable to the CII and data code, within the requested location code and status code option. Product can be provided by SRAN (option 1), Command (option 2) or worldwide (options 3, 4, and 5) with five different TCTO compliance status code options. Product is similar to F036 but provides accomplishing SRAN information and when to accomplish date.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

REQUIRED INPUT:

NUMBER OF DEFINITIONS - Must be 1 for options 2, 3, 4, and 5. Can be up to 3 for option 1.

OPTION - Each option can also be restricted by part number, ownership account code, and status code (use status code or specific status code options).

Option 1 - Provides all S/Ns applicable to a requested CII and data code within a SRAN. This option can also be restricted by Unit ID within a SRAN.

Option 2 - Provides all S/Ns applicable to a requested CII and data code within a requested Command.

Option 3 - Provides all S/Ns applicable to a requested CII and data code worldwide (S/N sequence).

Option 4 - Provides all S/Ns applicable to a requested CII and data code worldwide, sorted by assigned base and S/N.

Option 5 - Provides all S/Ns applicable to a requested CII and data code worldwide, sorted by accomplishing base and S/N.

CII

DATA CODE

COMMAND - use with option 2 only

SRAN - use with option 1 only

STATUS CODE OPTION:

Leave blank for all S/Ns

Enter "O" for open S/Ns (status codes 06-21)

Enter "C" for closed S/Ns (status codes 01-05, 22).

Enter "W" for workable S/Ns (status codes 06, 08, 12, 14, or 17).

Enter "P" for partially complied with S/Ns (status codes 06, 07 or 18).

PART NUMBER - Optional, input when status for only one P/N is desired, otherwise leave blank.

UNIT ID - Optional, any alpha except "X", product will include only serial numbers for unit ID requested. If serial number is omitted from product that you feel should be included, leave unit ID blank and all serial numbers should be included.

TRANSFER - Leave blank for normal output, "Y" to produce a dataset.

SPECIFIC STATUS CODE - Optional, only one status code can be requested, i.e. 21 or 01.

OWNERSHIP ACCOUNT CODE - Optional, product will include only serial numbers for the requested account code. See T.O. 00-25-254-1 for valid account codes. Use this field with engine CII's only. NLA CII's have no requirement in CEMS for account code and may be blank. If account code selection is used with NLA CII, serial numbers may be omitted from this product.

DESCRIPTION OF OUTPUT DATA:

REQUESTED CII NUMBER

NOUN - A brief description of requested CII

REQUESTED DATA CODE

REQUESTED COMMAND

REQUESTED SRAN

REQUESTED STATUS OPTION

REQUESTED PART NUMBER

REQUESTED UNIT

REQUESTED STATUS CODE

REQUESTED OWNERSHIP ACCOUNT CODE

TCTO NUMBER

TCTO TITLE

RELEASE DATE - Day, month, and year TCTO was released by prime ALC.

RESCISSION DATE - Day, month and year TCTO was or will be rescinded.

WHEN TO ACCOMPLISH:

- 1 - Used when an engine series TCTO is issued concurrently with an aircraft series immediate action TCTO. Indicates equipment grounded pending accomplishment of work.
- 2 - Used when an engine series TCTO is issued concurrently with an aircraft series urgent action TCTO and indicates the TCTO is to be accomplished within 10 days.
- 3 - Routine TCTOs that are to be accomplished in 30 days or less.
- 4 - Routine TCTOs that are to be accomplished in 60 days or less.
- 5 - Routine TCTOs that are to be accomplished in 90 days or less.
- 6 - Routine TCTOs that are to be accomplished in 360 days or less.
- 7 - Category II routine TCTOs (depot level maintenance).
- 8 - Record type TCTOs.
- 9 - Event - TCTOs that are to be accomplished at the next JEIM: next period.

LEVEL OF MAINTENANCE:

- A = Intermediate Safety
- B = Depot Safety
- C = Intermediate - Permanent MOD
- D = Depot - Permanent MOD
- E = Depot Update
- F = Intermediate Update
- G = Depot Update Safety
- H = Intermediate Update Safety
- 1 = Intermediate (other)
- 2 = Depot (other)

TCTO TYPE:

- 1 - Immediate Action
- 2 - Urgent Action
- 3 - Routine Action -or Record Type
- 4 - Deleted
- 5 - Deleted
- 6 - Deleted
- 7 - Event Type
- 8 - Routine Action - Permanent MOD
- A = Immediate Action Inspection
- B = Urgent Action Inspection
- F = Routine Action Inspection
- G = Event Type Inspection

K-P-T REQUIRED - "Y" - denotes Yes, "N" - denotes No.

ESTIMATED MANHOURS - The estimated manhours to accomplish one item applicable to the TCTO.

QTY ITEMS AFFECTED - A count of the serial numbers within requested CII that are applicable to the requested data code.

WEIGHT/BALANCE - Identifies if TCTO will affect weight and balance. "Y" = Yes, "N" = No.

PASS/FAIL REQUIRED - "Y" = Yes, "N" = No. Requirement established by depot to track results of inspection TCTOs.

SERIAL NUMBER

CURRENT PART NUMBER

TCTO STATUS:

- 01 - TCTO completely complied with
- 02 - TCTO previously complied with
- 03 - TCTO complied with by record check or inspection
- 04 - TCTO N/C/W cancelled
- 05 - Equipment permanently transferred or lost from Air Force inventory
- 06 - TCTO partially C/W ready for work
- 07 - TCTO partially C/W kits and/or parts and/or tools test equipment on order
- 08 - TCTO N/C/W condition inspection required
- 09 - TCTO N/C/W held in abeyance
- 10 - TCTO N/C/W placed in work or reported C/W in error
- 11 - TCTO N/C/W kits and/or parts on order but not received

- 12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required
- 13 - TCTO N/C/W test support equipment not available
- 14 - TCTO N/C/W kits and/or parts and/or test equipment on hand but equipment not available for modification.
- 15 - TCTO N/C/W event type
- 16 - TCTO N/C/W depot level TCTO only
- 17 - TCTO N/C/W TCTO ready for work
- 18 - Depot level TCTO, partially complied with
- 19 - TCTO not released by the prime ALC
- 20 - TCTO N/C/W kits on hand, parts on order
- 21 - TCTO N/C/W established in CEMS CDB with release and rescission date. Organizational/Intermediate Level TCTOs.
- 22 - TCTO not applicable to this equipment.

STATUS DATE

PASS FAIL - "P" denotes serial number passed inspection TCTO. "F" denotes serial number failed inspection TCTO. Data is entered upon compliance of TCTO (01, 02, 03 status). Requirement established by depot.

ACTUAL MANHOURS

ACCOMPLISHING SRAN - Identifies a specific base, depot repair facility, or contractor where an item is accomplished.

ACCOMPLISHING SRAN DESCRIPTION - The descriptive name of the accomplishing SRAN.

ACCOMPLISHING COMMAND CODE - The major command responsible for accomplishing TCTO.

WHEN TO ACCOMPLISH DATE - Identifies the date TCTO is to be accomplished on associated serial number based on assigned "when to accomplish code" and current workable TCTO status date. This date will be programmatically updated and deleted if not manually input. The word "expired" will be programmatically displayed in this field if the "Accomplish Date" is less than current date. The word "grounded" will go into this field 60 days prior to the TCTO rescission date.

NEW PART NUMBER - System will programmatically change to this P/N upon TCTO compliance.

OWNERSHIP ACCOUNT CODE - see T.O. 00-25-254-1, page 9-23.

UNIT ID - Identifies the possessing Unit within a possessing SRAN.

ASSIGNED BASE - SRAN currently possessing Serial Number.

QUANTITY OF ITEMS CLOSED/ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 01-05, or 22, and a TCTO level of F, 1, A, C or H.

QUANTITY OF ITEMS PARTIALLY ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 06, 07, or 18 and a TCTO level of F, 1, A, C or H.

QUANTITY OF ITEMS UNACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 08-21, and a TCTO level of F, 1, A, C or H.

PERCENT CLOSED/ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - Quantity of items accomplished divided by organ/inter total multiplied by 100.

INSPECTION PASS FAIL - A count of records in the TCTO status record with a current status code of 01, 02 or 03 and a TCTO type of A, B, F or G (inspection TCTOs) that passed or failed inspection.

ACTUAL MANHOURS ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours with a current status code of 01, 02, or 03, and a TCTO level of F, 1, A, C, or H.

ACTUAL MANHOURS PARTIALLY ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours with a current status code of 06, 07 or 18 and a TCTO level of F, 1, A, C, or H.

TOTAL UNACCOMPLISHED MANHOURS - ORGANIZATION/INTERMEDIATE - A cumulative total of estimated manhours in the TCTO status record with a current status code of 06-21 with a TCTO level of F, 1, A, C, or H.

QUANTITY OF ITEMS CLOSED/ACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 01-05, or 22, and a TCTO level of D, 2, B, E, or G.

QUANTITY OF ITEMS PARTIALLY ACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 06, 07 or 18 and a TCTO level of D, 2, B, E or G.

QUANTITY OF ITEMS UNACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 08-21 and a TCTO level of D, 2, B, E or G.

PERCENT CLOSED/ACCOMPLISHED - DEPOT - Quantity of items accomplished divided by depot total

multiplied by 100.

ACTUAL MANHOURS ACCOMPLISHED - DEPOT - A cumulative total of actual manhours with a current status code of 01, 02, or 03, and a TCTO level of D, 2, B, E, or G.

ACTUAL MANHOURS PARTIALLY ACCOMPLISHED - DEPOT - A cumulative total of actual manhours with a current status code of 06, 07 or 18 and a TCTO level of D, 2, B, E or G.

TOTAL UNACCOMPLISHED MANHOURS - DEPOT - A cumulative total of estimated manhours in the TCTO status record which have a current status code of 06-21 with a TCTO level of D, 2, B, E or G.

CODES/TOTALS - Totals of S/Ns accomplished for each status code.

TOTAL UNITS COMPLETE - A cumulative total of serial numbers in 01-05, or 22 status.

TOTAL UNITS INCOMPLETE - A cumulative total of serial number in 06-21 status.

ORGANIZATION/INTERMEDIATE PERCENT COMPLETE - Percent completed at field level.

DEPOT PERCENT COMPLETE - Percent completed at depot level.

AVERAGE ACTUAL HOURS - Actual manhours accomplished divided by number of serial numbers accomplished (status 01, 02, 03).

ERROR MESSAGES:

REQUESTED STATUS OPTION IS NOT VALID. Must be O, C, W, P or blank.

REQUESTED CII, SRAN, AND COMMAND CODE ARE VALID. TCTO IS RETIRED FOR REQUESTED DATA CODE.

REQUESTED CII IS NOT VALID. The CII was not found on master record (CE103RSG).

REQUESTED CII AND SRAN ARE VALID. REQUESTED COMMAND CODE IS NOT VALID. The command code was not found on command code table (CE101RSG).

REQUESTED CII, SRAN, AND COMMAND CODE ARE VALID. REQUESTED DATA CODE IS NOT VALID. The data code was not found on TCTO master record (CE104RSG).

REQUESTED CII AND DATA CODE COMBINATION NOT VALID.

REQUESTED CII IS VALID. REQUESTED SRAN IS NOT VALID. The SRAN was not found on base master record (CE100RSG).

TILC ERROR MESSAGES:

CII AND SERIAL NUMBER NOT FOUND IN CE102RSG CII AND/OR SERIAL NUMBER MASTER (Note: missing CII and/or serial number(s) will be listed immediately below message). This message usually results from a data base pointer problem.

ALL REQUESTED DATA IS VALID. SRAN DESCRIPTION NOT FOUND. SRAN description was not found on the base master record (CE100RSG). Report will be produced with the accomplishing SRAN description left blank.

NOT FOUND IN CE102140, TCTO STATUS RECORD. The affected CII and/or serial numbers and data codes will be listed below message. Data base pointer problem.

Sample Format F035

F036 - TCTO STATUS REPORT (NHA Data)

PCN: CED042.BRF036.A10A

PURPOSE: This TSO job produces a report entitled "TCTO Status Report". The primary purpose of this product is to provide TCTO status data on each S/N applicable to the CII and data code, within the requested location code and status code option. Product can be provided by SRAN (option 1), Command (option 2), or worldwide (options 3 and 4) with five different TCTO compliance status code options.

Product is similar to F035 but provides NHA of S/N and engine/aircraft installed on.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

REQUIRED INPUT:

NUMBER OF DEFINITIONS - Must be 1 for options 2, 3, and 4. Can be up to 3 for option 1.

OPTION - Each option can also be restricted by part number, ownership account code, and status code (use status code or specific status code options).

Option 1 - Provides all S/Ns applicable to a requested CII and data code within a SRAN. This option can also be restricted by Unit ID within a SRAN.

Option 2 - Provides all S/Ns applicable to a requested CII and data code within a requested Command.

Option 3 - Provides all S/Ns applicable to a requested CII and data code worldwide (S/N sequence).

Option 4 - Provides all S/Ns applicable to a requested CII and data code worldwide, sorted by assigned base and S/N.

CII

DATA CODE

COMMAND - use with option 2 only

SRAN - use with option 1 only

STATUS CODE OPTION:

Leave blank for all S/Ns

Enter "O" for open S/Ns (status codes 06-21).

Enter "C" for closed S/Ns (status codes 01-05, 22).

Enter "W" for workable S/Ns (status codes 06, 08, 12, 14, or 17).

Enter "P" for partially complied with S/Ns (status codes 06, 07 or 18).

PART NUMBER - Optional, input when status for only one P/N is desired, otherwise leave blank.

UNIT ID - Optional, any alpha except "X", product will include only serial numbers for unit ID requested.

If serial number is omitted from product that you feel should be included, leave unit ID blank and all serial numbers should be included.

TRANSFER - Leave blank for normal output, "Y" to produce a dataset.

SPECIFIC STATUS CODE - Optional, only one status code can be requested, i.e. 21 or 01.

OWNERSHIP ACCOUNT CODE - Optional, product will include only serial numbers for the requested account code. See T.O. 00-25-254-1 for valid account codes. Use this field with engine CII's only. NLA CII's have no requirement in CEMS for account code and may be blank. If account code selection is used with NLA CII, serial numbers may be omitted from this product.

DESCRIPTION OF OUTPUT DATA:

REQUESTED CII NUMBER

NOUN - A brief description of requested CII

REQUESTED DATA CODE

REQUESTED COMMAND

REQUESTED SRAN

REQUESTED STATUS OPTION

REQUESTED PART NUMBER

REQUESTED UNIT

REQUESTED STATUS CODE

REQUESTED OWNERSHIP ACCOUNT CODE

TCTO NUMBER

TCTO TITLE

RELEASE DATE - Day, month and year TCTO was released by prime ALC.

RESCISSION DATE - Day, month and year TCTO was or will be rescinded.

WHEN TO ACCOMPLISH BY:

1 - Used when an engine series TCTO is issued concurrently with an aircraft series immediate action TCTO. Indicates equipment grounded pending accomplishment of work.

2 - Used when an engine series TCTO is issued concurrently with an aircraft series urgent action

TCTO and indicates the TCTO is to be accomplished within 10 days.

3 - Routine TCTOs that are to be accomplished in 30 days or less.

4 - Routine TCTOs that are to be accomplished in 60 days or less.

5 - Routine TCTOs that are to be accomplished in 90 days or less.

6 - Routine TCTOs that are to be accomplished in 360 days or less.

7 - Category II routine TCTOs (depot level maintenance).

8 - Record type TCTOs.

9 - Event - TCTOs that are to be accomplished at the next JEIM: next period.

LEVEL OF MAINTENANCE:

A = Intermediate Safety

B = Depot Safety

C = Intermediate - Permanent MOD

D = Depot - Permanent MOD

E = Depot Update

F = Intermediate Update

G = Depot Update Safety

H = Intermediate Update Safety

1 = Intermediate (other)

2 = Depot (other)

TCTO TYPE:

1 - Immediate Action

2 - Urgent Action

3 - Routine Action or Record Type

4 - Deleted

5 - Deleted

6 - Deleted

7 - Event Type

8 - Routine Action - Permanent MOD

A = Immediate Action Inspection

B = Urgent Action Inspection

F = Routine Action Inspection

G = Event Type Inspection

K-P-T REQUIRED - "Y" - denotes Yes, "N" - denotes No.

ESTIMATED MANHOURS - The estimated manhours to accomplish one item applicable to the TCTO.

QTY ITEMS AFFECTED - A count of the serial number within requested CII that are applicable to the requested data code.

WEIGHT/BALANCE - Identifies if TCTO will affect weight and balance. "Y" = Yes, "N" = No.

PASS/FAIL REQUIRED - "Y" = Yes, "N" = No. Requirement established by depot to track results of inspection TCTOs.

SERIAL NUMBER

CURRENT PART NUMBER

TCTO STATUS:

01 - TCTO completely complied with

02 - TCTO previously complied with

03 - TCTO complied with by record check or inspection

04 - TCTO N/C/W cancelled

05 - Equipment permanently transferred or lost from Air Force inventory

06 - TCTO partially C/W ready for work

07 - TCTO partially C/W kits and/or parts and/or tools test equipment on order

08 - TCTO N/C/W condition inspection required

09 - TCTO N/C/W held in abeyance

10 - TCTO N/C/W placed in work or reported C/W in error

11 - TCTO N/C/W kits and/or parts on order but not received

12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required

13 - TCTO N/C/W test support equipment not available

14 - TCTO N/C/W kits and/or parts and/or test equipment on hand but equipment not available for modification

15 - TCTO N/C/W event type

- 16 - TCTO N/C/W depot level TCTO only
- 17 - TCTO N/C/W TCTO ready for work
- 18 - Depot level TCTO, partially complied with
- 19 - TCTO not released by the prime ALC
- 20 - TCTO N/C/W kits on hand, parts on order
- 21 - TCTO N/C/W established in CEMS CDB with release and rescission date.
- Organizational/Intermediate Level TCTOs
- 22 - TCTO not applicable to this equipment

STATUS DATE

PASS FAIL - "P" denotes serial number passed inspection TCTO. "F" denotes serial number failed inspection TCTO. Data is entered upon compliance of TCTO (01, 02, 03 status). Requirement established by depot.

ACTUAL MANHOURS

NEXT HIGHER ASSEMBLY (NHA) - Immediate NHA installed on.

ENGINE/AIRCRAFT

If NHA above is an installed engine, aircraft tail number will be displayed. "Spare" if uninstalled engine.

If NHA above is imbedded item/module, the engine serial number will be displayed. "Spare" if uninstalled.

AIRCRAFT MDS - MDS of current or previous aircraft installed on.

NEW PART NUMBER - System will programmatically change to this P/N upon TCTO compliance.

OWNERSHIP ACCOUNT CODE - See T.O. 00-25-254-1, page 9-23.

UNIT ID - Identifies the possessing Unit within a possessing SRAN.

ASSIGNED BASE - SRAN currently possessing Serial Number.

QUANTITY OF ITEMS CLOSED/ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 01-05, or 22, and a TCTO level of F, 1, A, C or H.

QUANTITY OF ITEMS PARTIALLY ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 06, 07 or 18 and a TCTO level of F, 1, A, C or H.

QUANTITY OF ITEMS UNACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 08-21, and a TCTO level of F, 1, A, C or H.

PERCENT CLOSED/ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - Quantity of items accomplished divided by organ/inter total multiplied by 100.

INSPECTION PASS FAIL - A count of records in the TCTO status record with a current status code of 01, 02 or 03 and a TCTO type of A, B, F or G (inspection TCTOs) that passed or failed inspection.

ACTUAL MANHOURS ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours with a current status code of 01, 02, or 03, and a TCTO level of F, 1, A, C, or H.

ACTUAL MANHOURS PARTIALLY ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours with a current status code of 06, 07 or 18 and a TCTO level of F, 1, A, C, or H.

TOTAL UNACCOMPLISHED MANHOURS - ORGANIZATION/INTERMEDIATE - A cumulative total of estimated manhours in the TCTO status record with a current status code of 06-21 with a TCTO level of F, 1, A, C, or H.

QUANTITY OF ITEMS CLOSED/ACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 01-05, or 22, and a TCTO level of D, 2, B, E, or G.

QUANTITY OF ITEMS PARTIALLY ACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 06, 07 or 18 and a TCTO level of D, 2, B, E or G.

QUANTITY OF ITEMS UNACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 08-21 and a TCTO level of D, 2, B, E or G.

PERCENT CLOSED/ACCOMPLISHED - DEPOT - Quantity of items accomplished divided by depot total multiplied by 100.

ACTUAL MANHOURS ACCOMPLISHED - DEPOT - A cumulative total of actual manhours with a current status code of 01, 02, or 03, and a TCTO level of D, 2, B, E or G.

ACTUAL MANHOURS PARTIALLY ACCOMPLISHED - DEPOT - A cumulative total of actual manhours with a current status code of 06, 07 or 18 and a TCTO level of D, 2, B, E or G.

TOTAL UNACCOMPLISHED MANHOURS - DEPOT - A cumulative total of estimated manhours in the TCTO status record which have a current status code of 06-21 with a TCTO level of D, 2, B, E or G.

CODES/TOTALS - Totals of S/Ns accomplished for each status code.

TOTAL UNITS COMPLETE - A cumulative total of serial numbers in 01-05, or 22 status.

TOTAL UNITS INCOMPLETE - A cumulative total of serial number in 06-21 status.

ORGANIZATION/INTERMEDIATE PERCENT COMPLETE - Percent completed at field level.

DEPOT PERCENT COMPLETE - Percent completed at depot level.

AVERAGE ACTUAL HOURS - Actual manhours accomplished divided by number of serial numbers accomplished (status 01, 02, 03).

ERROR MESSAGES:

REQUESTED STATUS OPTION IS NOT VALID. Must be O, C, W, P or blank.

REQUESTED CII, SRAN, AND COMMAND CODE ARE VALID. TCTO IS RETIRED FOR REQUESTED DATA CODE.

REQUESTED CII IS NOT VALID. The CII was not found on master record (CE103RSG).

REQUESTED CII AND SRAN ARE VALID. REQUESTED COMMAND CODE IS NOT VALID. The command code was not found on command code table (CE101RSG).

REQUESTED CII, SRAN, AND COMMAND CODE ARE VALID. REQUESTED DATA CODE IS NOT VALID. The data code was not found on TCTO master record (CE104RSG).

REQUESTED CII AND DATA CODE COMBINATION NOT VALID.

REQUESTED CII IS VALID. REQUESTED SRAN IS NOT VALID. The SRAN was not found on base master record (CE100RSG).

TILC ERROR MESSAGES:

CII AND SERIAL NUMBER NOT FOUND IN CE102RSG CII AND/OR SERIAL NUMBER MASTER (Note: missing CII and/or serial number(s) will be listed immediately below message.) This message usually results from a data base pointer problem.

ALL REQUESTED DATA IS VALID. SRAN DESCRIPTION NOT FOUND. SRAN description was not found on the base master record (CE100RSG). Report will be produced with the accomplishing SRAN description left blank.

NOT FOUND IN CE102140, TCTO STATUS RECORD. The affected CII and/or serial numbers and data codes will be listed below message. Data base pointer problem.

Sample Format F036

F037 - TCTO Status by Selected CII

PCN: CED042.BRF037.A10A

PURPOSE: This job produces a report entitled "TCTO Status by Selected CII". The primary purpose of this product is to provide TCTO status data for all TCTOs/serial numbers applicable to one CII for one SRAN. Product may be requested for field level TCTOs only, depot TCTOs only, or all TCTOs.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

REQUIRED INPUT:

CII

SRAN

LEVEL INDICATOR - F = field level TCTOs only; D = depot level TCTOs only; Blank = all applicable TCTOs.

DESCRIPTION OF OUTPUT DATA:

REQUESTED CII

NOUN - A brief description of requested CII

LEVEL INDICATOR - F = field level TCTOs only; D = depot level TCTOs only; Both = all TCTOs.

TCTO NUMBER

TCTO TITLE

RELEASE DATE - Day, month and year TCTO was released by prime ALC

RESCISSION DATE - Day, month and year TCTO was or will be rescinded

WHEN TO ACCOMPLISH BY:

- 1 - Used when an engine series TCTO is issued concurrently with an aircraft series immediate action TCTO. Indicates equipment grounded pending accomplishment of work.
- 2 - Used when an engine series TCTO is issued concurrently with an aircraft series urgent action TCTO and indicates the TCTO is to be accomplished within 10 days.
- 3 - Routine TCTOs that are to be accomplished in 30 days or less.
- 4 - Routine TCTOs that are to be accomplished in 60 days or less.
- 5 - Routine TCTOs that are to be accomplished in 90 days or less.
- 6 - Routine TCTOs that are to be accomplished in 360 days or less.
- 7 - Category II routine TCTOs (depot level maintenance).
- 8 - Record type TCTOs.
- 9 - Event - TCTOs that are to be accomplished at the next JEIM: next period.

LEVEL OF MAINTENANCE:

- A = Intermediate Safety
- B = Depot Safety
- C = Intermediate - Permanent MOD
- D = Depot - Permanent MOD
- E = Depot Update
- F = Intermediate Update
- G = Depot Update Safety
- H = Intermediate Update Safety
- 1 = Intermediate (other)
- 2 = Depot (other)

TCTO TYPE:

- 1 - Immediate Action
- 2 - Urgent Action
- 3 - Routine Action or Record Type
- 7 - Event Type
- 8 - Routine Action - Permanent MOD
- A - Immediate Action Inspection
- B - Urgent Action Inspection
- F - Routine Action Inspection
- G - Event Type Inspection

K-P-T REQUIRED - "Y" - denotes Yes, "N" - denotes No.

ESTIMATED MANHOURS - The estimated manhours to accomplish one item applicable to the TCTO.

QTY ITEMS AFFECTED - A worldwide count of the serial numbers applicable to the requested CII.

WEIGHT/BALANCE - Identifies if TCTO will affect weight and balance. "Y" = Yes, "N" = No.

PASS/FAIL REQUIRED - "Y" - denotes Yes, "N" - denotes No. Established by depot to track inspection TCTOs. (Implemented in CEMS on 4 Apr 00)

DATA CODE

SERIAL NUMBER

CURRENT PART NUMBER

TCTO STATUS:

- 01 - TCTO completely complied with
- 02 - TCTO previously complied with
- 03 - TCTO complied with by record check or inspection
- 04 - TCTO N/C/W cancelled
- 05 - Equipment permanently transferred or lost from Air Force inventory
- 06 - TCTO partially C/W ready for work
- 07 - TCTO partially C/W kits and/or parts and/or tools test equipment on order
- 08 - TCTO N/C/W condition inspection required
- 09 - TCTO N/C/W held in abeyance
- 10 - TCTO N/C/W placed in work or reported C/W in error
- 11 - TCTO N/C/W kits and/or parts on order but not received
- 12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required
- 13 - TCTO N/C/W test support equipment not available
- 14 - TCTO N/C/W kits and/or parts and/or test equipment on hand but equipment not available for modification
- 15 - TCTO N/C/W event type
- 16 - TCTO N/C/W depot level TCTO only
- 17 - TCTO N/C/W TCTO ready for work
- 18 - Depot level TCTO, partially complied with
- 19 - TCTO not released by the prime ALC
- 20 - TCTO N/C/W kits on hand, part on order
- 21 - TCTO N/C/W established in CEMS CDB with release and rescission date.
- Organizational/Intermediate Level TCTOs
- 22 - TCTO not applicable to this equipment

STATUS DATE

PASS FAIL - "P" denotes serial number passed inspection TCTO; "F" denotes serial number failed inspection TCTO. (Implemented in CEMS on 4 Apr 00)

ACTUAL MANHOURS

NEXT HIGHER ASSEMBLY (NHA) - Immediate NHA installed on.

ENGINE/AIRCRAFT - If NHA above is an installed engine, aircraft tail number will be displayed. "Spare" if uninstalled engine. If NHA above is imbedded item/module, the engine serial number will be displayed. "Spare" if uninstalled.

AIRCRAFT MDS - MDS of current or previous aircraft installed on.

NEW PART NUMBER - System will programmatically change to this P/N upon TCTO compliance.

OWNERSHIP ACCOUNT CODE - see T.O. 00-25-254-1, page 9-23.

UNIT ID - Identifies the possessing Unit within a possessing SRAN.

ASSIGNED BASE - SRAN currently possessing Serial Number.

QUANTITY OF ITEMS CLOSED/ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 01-05, or 22, and a TCTO level of F, 1, A, C or H.

QUANTITY OF ITEMS PARTIALLY ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 06, 07 or 18 and a TCTO level of F, 1, A, C or H.

QUANTITY OF ITEMS UNACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 08-21, and a TCTO level of F, 1, A, C or H.

PERCENT CLOSED/ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - Quantity of items accomplished divided by organ/inter total multiplied by 100.

INSPECTION PASS FAIL - A count of records in the TCTO status record with a current status code of 01, 02, or 03 and a "P" or "F" indicated. (Implemented in CEMS on 4 Apr 00)

ACTUAL MANHOURS ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours with a current status code of 01, 02, or 03, and a TCTO level of F, 1, A, C, or H.

■ ACTUAL MANHOURS PARTIALLY ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours with a current status code of 06, 07 or 18 and a TCTO level of F, 1, A, C, or H.

TOTAL UNACCOMPLISHED MANHOURS - ORGANIZATION/INTERMEDIATE - A cumulative total of estimated manhours in the TCTO status record with a current status code of 06-21 with a TCTO level of F, 1, A, C, or H.

QUANTITY OF ITEMS CLOSED/ACCOMPLISHED - DEPOT - A count of records in the TCTO status record with current status code of 01-05, or 22, and a TCTO level of D, 2, B, E or G.

■ QUANTITY OF ITEMS PARTIALLY ACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 06, 07 or 18 and a TCTO level of D, 2, B, E or G.

QUANTITY OF ITEMS UNACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 08-21 and a TCTO level of D, 2, B, E or G.

PERCENT CLOSED/ACCOMPLISHED - DEPOT - Quantity of items accomplished divided by depot total multiplied by 100.

INSPECTION PASS FAIL - A count of records in the TCTO status record with a current status code of 01, 02, or 03 and a "P" or "F" indicated. (Implemented in CEMS on 4 Apr 00)

ACTUAL MANHOURS ACCOMPLISHED - DEPOT - A cumulative total of actual manhours with a current status code of 01, 02, or 03, and a TCTO level of F, 1, A, C or H.

■ ACTUAL MANHOURS PARTIALLY ACCOMPLISHED - DEPOT - A cumulative total of actual manhours with a current status code of 06, 07 or 18 and a TCTO level of D, 2, B, E or G.

TOTAL UNACCOMPLISHED MANHOURS - DEPOT - A cumulative total of estimated manhours in the TCTO status record with a current status code of 06-21 with a TCTO level of D, 2, B, E or G.

TOTAL UNITS COMPLETE - A cumulative total of serial numbers in 01-05, or 22 status.

TOTAL UNITS INCOMPLETE - A cumulative total of serial number in 06-21 status.

ORGANIZATION/INTERMEDIATE PERCENT COMPLETE - Percent completed a field level.

DEPOT PERCENT COMPLETE - Percent completed at depot level.

AVERAGE ACTUAL HOURS - Actual manhours accomplished divided by number of serial numbers accomplished (status 01, 02, 03).

ERROR MESSAGES:

■ REQUESTED CII IS NOT VALID. The CII was not found on master record (CE103RSG).

REQUESTED CII IS VALID. REQUESTED SRAN IS NOT VALID. The SRAN was not found on base master record (CE100RSG).

Sample Format F037

F040 - TCTO NON-COMPLIANCE REPORT

PCN: CED042.BPEF040.A10A

PURPOSE: This TSO program will produce a list of serial numbers in open/unaccomplished TCTO status (06-21) for a requested CII and data code and will provide information on NHA, last overhaul, life used and life remaining.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

REQUIRED INPUT:

NUMBER OF DEFINITIONS - Must be 1

OPTIONS

- 1 - by SRAN
- 2 - by Command
- 3 - worldwide

CII**DATA CODE**

COMMAND - use with option 2

SRAN - use with option 1

CATEGORY (tracking methods (TLCC) and times)

- 1 - selects V, H or N categories only
- 2 - selects P, Q or W categories only
- 3 - selects all categories (V, H, N, P, Q, W and all inspections)

TRANSFER - Leave blank for normal output; "Y" to produce a dataset.

DESCRIPTION OF OUTPUT DATA ELEMENTS:**REQUESTED CII**

NOUN - The descriptive name of the CII.

REQUESTED DATA CODE**TCTO NUMBER****SERIAL NUMBER****PART NUMBER****STATUS CODE**

- 1 - TCTO completely complied with
- 2 - TCTO previously complied with
- 3 - TCTO complied with by record check or inspection
- 4 - TCTO N/C/W cancelled
- 5 - Equipment permanently transferred or lost from Air Force inventory
- 6 - TCTO partially C/W ready for work
- 7 - TCTO partially C/W kits and/or parts and/or tools test equipment on order
- 8 - TCTO N/C/W condition inspection required
- 9 - TCTO N/C/W held in abeyance
- 10 - TCTO N/C/W placed in work or reported C/W in error
- 11 - TCTO N/C/W kits and/or parts on order but not received
- 12 - TCTO N/C/W prior compliance of field and/or depot TCTO required
- 13 - TCTO N/C/W test support equipment not available
- 14 - TCTO N/C/W kits and/or parts and/or test equipment on hand but equipment not available for modification
- 15 - TCTO N/C/W event type
- 16 - TCTO N/C/W depot level TCTO only
- 17 - TCTO N/C/W TCTO ready for work
- 18 - Depot level TCTO, partially complied with
- 19 - TCTO not released by the prime ALC
- 20 - TCTO N/C/W kits on hand, parts on order
- 21 - TCTO N/C/W established in CEMS CDB with release and rescission date, Organizational/Intermediate Level TCTOs
- 22 - TCTO not applicable to this equipment

STATUS DATE - Julian date of the current TCTO status change.

NHA CII/MDS - Next Higher Assembly CII/MDS
NHA SERIAL NUMBER - Next Higher Assembly CII/MDS
SRAN - Possessing SRAN
CONDITION CODE

- A - Installed Active
- B - Serviceable Built-up
- C - Repairable Condemned
- F - Repairable With QEC
- G - Repairable Without QEC
- K - Repairable, Minor Repair
- L - Repairable, Major Overhaul
- R - Serviceable - Raw
- Z - Installed Active

LAST OVERHAUL DATE

TLCC - Type Limit Code and Category identifying the tracking method of an item.

LIFE USED - The total amount of time/age accrued on an item at a specific time.

LIFE REMAINING - A numeric quantity denoting the time that can accumulate against an item before its maximum time limit is reached.

ERROR MESSAGES:

REQUESTED CII IS NOT VALID

REQUESTED CII AND DATA CODE COMBINATION NOT VALID

ALL SERIAL NUMBERS CLOSED FOR THIS TCTO

NO SERIAL NUMBERS ATTACHED TO THE REQUESTED DATA CODE. Determine if TCTO is retired off-line. When TCTO is retired off-line, the applicable serial numbers are deleted from active file.

REQUESTED DATA CODE IS NOT VALID

BAD DATA FOR THIS ITEM. The CII and/or serial number of item of which the time routine calculation is suspect will print out with this message. No data line will print out for the serial number(s) identified with this message. Data for the other applicable serial numbers will print out on the report.

Sample Format F040

F050 - TCTO CONFIGURATION REPORT

PCN: CED042.BPF050.A10A

PURPOSE: This TSO program will provide TCTO data for a requested CII and Serial Number and all its NLA Serial Numbers. User has the option to request the level of maintenance (All, Depot, or Field). User also has the option to request the TCTO compliance options of all, workable, open, or closed statuses.

•To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

REQUIRED FIELDS:

CII

SERIAL NUMBER

LEVEL INDICATOR: F = organization/intermediate, D = depot, leave blank for both levels.

"F" in level indicator - Selects all level of maintenance codes pertaining to org and/or inter level TCTOs only:

- 1 = Other
- A = Safety
- C = Permanent MOD
- F = Updating TCTO
- H = Updating Safety

"D" in level indicator - Selects all level of maintenance codes pertaining to depot TCTOs only:

- 2 = Other
- B = Safety
- D = Permanent MOD
- E = Updating TCTO
- G = Updating safety TCTO

TCTO OPTION:

Blank = all TCTOs

W = Provides TCTO status for requested S/N for Workable TCTOs
(Status codes 06, 08, 12, 14, and 17)

O = Provides TCTO status for requested S/N for Open TCTOs (status codes 06-21)

C = Provides TCTO status for requested S/N for Closed TCTOs (status codes 22, 01-05)

TRANSFER - Blank for normal output; Y for dataset

DESCRIPTION OF OUTPUT DATA ELEMENT:

CII

SERIAL NUMBER

NOUN - descriptive name of the requested item

REQUESTED TCTO OPTION - status option requested

REQUESTED LEVEL OF MAINTENANCE - Both O/I and depot; Org and/Inter; Depot

SRAN

CMD CD - command that has responsibility for the requested item.

TCTO NUMBER - a number used by the Air Force to identify a specific TCTO.

DATA CODE - a number assigned to each TCTO to facilitate data processing.

RELEASE DATE - day, month and year that the TCTO was released by prime ALC to accomplished.

RESCISSION DATE - day, month and year that the TCTO was or will be rescinded.

AC CD - account code

TCTO TYPE - The type and classification of the TCTO

- 1 - Immediate Action
- 2 - Urgent Action
- 3 - Routine Action or Record Type
- 4 - Deleted
- 5 - Deleted
- 6 - Deleted
- 7 - Event Type
- 8 - Routine Action - Permanent MOD
- A = Immediate Action Inspection
- B = Urgent Action Inspection

F = Routine Action Inspection

G = Event Type Inspection.

LEVEL OF MAINTENANCE - Type repair facility where a TCTO is accomplished and the type TCTO involved.

A = Intermediate Safety

B = Depot Safety

C = Intermediate - Permanent MOD

D = Depot - Permanent MOD

E = Depot Update

F = Intermediate Update

G = Depot Update Safety

H = Intermediate Update Safety

1 = Intermediate (other)

2 = Depot (other)

REQUIRED K-P-T - Required kits, parts, and tools Y = Yes, N = No

ESTIMATED MANHOURS - The estimated manhours to accomplish one item applicable to the TCTO. The last position represents tenths of an hour.

TCTO STATUS

01 - TCTO completely complied with

02 - TCTO previously complied with

03 - TCTO complied with by record check or inspection

04 - TCTO N/C/W cancelled

05 - Equipment permanently transferred or lost from Air Force inventory

06 - TCTO partially C/W ready for work

07 - TCTO partially C/W kits and/or parts and/or tools test equipment on order

08 - TCTO N/C/W condition inspection required

09 - TCTO N/C/W held in abeyance

10 - TCTO N/C/W placed in work or reported C/W in error

11 - TCTO N/C/W kits and/or parts on order but not received

12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required

13 - TCTO N/C/W test support equipment not available

14 - TCTO N/C/W kits and/or parts and/or test equipment on hand but equipment not available for modification

15 - TCTO N/C/W event type

16 - TCTO N/C/W depot level TCTO only

17 - TCTO N/C/W TCTO ready for work

18 - Depot level TCTO, partially complied with

19 - TCTO not released by the prime ALC

20 - TCTO N/C/W kits on hand, parts on order

21 - TCTO N/C/W established in CEMS CDB with release and rescission date. Organizational/Intermediate Level TCTOs

22 - TCTO not applicable to this equipment

STATUS DATE - day, month and year of the current status change.

PASS/FAIL - "P" denotes serial number passed inspection TCTO. "F" denotes serial number failed inspection TCTO. Data is entered upon compliance of TCTO (01, 02, 03 status). Requirement established by depot.

CII - The CII/NLA CII number applicable to the requested CII

SERIAL NUMBER - The serial number/NLA serial number applicable to the requested S/N.

ERROR MESSAGES:

INVALID REQUESTED CII AND/OR SERIAL NUMBER

Sample Format F050

F065 - TCTO RESCISSION ALERT

PCN: CED042.BPF065.A10A

PURPOSE: This TSO program provides a list of all TCTOs that fall within the requested days to rescission for a requested CII. Displays the number of days to rescission, and all or only the workable TCTOs pertaining to the CII, and will be in the earliest rescission date(s) and TCTO number sequence.

•To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

REQUIRED FIELDS:

NUMBER OF DEFINITIONS - must be 1

CII

NUMBER OF DAYS - Three position field (i.e. 090, 365)

TCTO INDICATOR - Leave blank for all applicable TCTOs for the specified CII.

W - Applicable to workable TCTOs only (status codes 06, 08, 12, 14, 17) for the specified CII.

TRANSFER - Leave blank for normal output; Y to produce dataset

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED CII NUMBER - The CII requested for this product.

NOUN - A descriptive name of the requested item.

REQUESTED NUMBER OF DAYS TO RESCISSION - The three-position number that was requested.

WORKABLE OPTION - The TCTO status indicator that was requested for this product.

TCTO NUMBER - A number used by the Air Force to identify a specific TCTO. The TCTO numbers on this product are applicable to the requested CII.

DATA CODE - A number assigned to each TCTO to facilitate data processing.

RELEASE DATE - The day, month, and year that the TCTO was released by the prime ALC for accomplishment.

RESC DATE - The day, month, and year that the TCTO was or will be rescinded.

DAYS TO RESCISSION - The three-position number of days that the TCTO will be rescinded based from the current date. If a minus sign precedes the number of days, this indicates the number of days past rescission.

TCTO TITLE - A brief description of the subject of the specific TCTO.

ERROR MESSAGES:

INVALID DAYS OPTION - Number of days to rescission is less than 000 or greater than 366.

NO CII REQUESTED

INVALID CII REQUESTED

NO DATA SELECTED FOR SELECTED OPTIONS - No data was selected for the combination of options requested.

Sample Format F065

F090 - RETIRED TCTO REPORT BY SERIAL NUMBER

PCN: CED042.BPF090.A10A

PURPOSE: This TSO program provides a list of all retired/rescinded TCTOs since November 1987 for an individual CII/Serial Number. TCTOs will not retire/rescind in CEMS until all serial numbers are in a closed status, regardless of the rescission date. After submitting this job the panel will return to the definition/input panel screen instead of the main menu screen. Additional jobs may be submitted from the definition panel, therefore, expediting the process.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

REQUIRED FIELDS:

SERIAL NUMBER
CII

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED CII NUMBER

NOUN - the descriptive name of the requested item

REQUESTED SERIAL NUMBER

TCTO NUMBER

DATA CODE

TCTO STATUS:

- 01 - TCTO completely complied with
- 02 - TCTO previously complied with
- 03 - TCTO complied with by record check or inspection
- 04 - TCTO N/C/W cancelled
- 05 - Equipment permanently transferred or lost from Air Force inventory
- 22 - TCTO not applicable to this equipment

STATUS DATE

PASS/FAIL - "P" denotes serial number passed the inspection TCTO. "F" denotes serial number failed the inspection TCTO. Blank if not required. Requirement established by depot.

ACCOMPLISHING SRAN - Identifies a specific base, depot repair facility, or contractor where an item is accomplished.

SRAN DESCRIPTION - The descriptive name of the accomplishing SRAN.

CMD CODE - The command code of the accomplishing SRAN.

ACTUAL MANHRS - Manhours expended to accomplish a TCTO. Last position is tenths of an hour.

ERROR MESSAGES:

REQUESTED CII NOT FOUND

REQUESTED CII AND SERIAL NUMBER COMBINATION NOT VALID

Sample Format F090

F100 - RETIRED TCTO HISTORY - SUMMARY

PCN: CED042.BPF100.A10A

PURPOSE: This TSO program will select, format, and print an output entitled Retired TCTO History Summary.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

REQUIRED FIELDS:

NUMBER OF DEFINITIONS - must be 1

OPTION: 1 for on-line retired TCTOs (retired TCTOs not removed from active file).
 2 for off-line retired TCTOs (retired TCTOs on off-line tape).

CII

- After submitting this job the panel will return to the definition panel screen instead of the main menu screen. Additional jobs may be submitted from the definition panel, therefore, expediting the process.

DESCRIPTION OF OUTPUT DATA ELEMENTS:**REQUESTED CII NUMBER**

NOUN - The descriptive name of the requested item.

INDENTURE - The indenture code of this item.

- 1 - Aircraft
- 2 - Engine
- 3 - Module
- 4 - Assembly of Sub-Assembly
- 5 - Component

AIRCRAFT AND/OR ENGINE APPLICATION - The MDS of the aircraft that the engine is applicable to.
 TCTO NUMBER

DATA CODE

RELEASE DATE - The day, month, and year that the TCTO was released by prime ALC.

RESC DATE - The day, month, and year that the TCTO was or will be rescinded.

S/N RANGE - Starting the first S/N of an in-sequence group of S/Ns.

S/N RANGE - Ending the last serial number of an in-sequence group of S/Ns.

K-P-T - Required K-P-T, Y - denotes Yes, N - denotes No.

QUANTITY OF ITEMS ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of TCTO status records for each TCTO which has a current status code of 01-05 or 22, with a TCTO level of F, 1, A, C or H.

QUANTITY OF ITEMS ACCOMPLISHED - DEPOT - A count of TCTO status records for each TCTO which has a current status code of 01-05 or 22, with a TCTO level of D, 2, B, E or G.

MNHRs ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours in the TCTO status record for each TCTO which have a current status code less than 06, with a TCTO level of F, 1, A, C or H.

MNHRs ACCOMPLISHED - DEPOT - A cumulative total of actual manhours in the TCTO status record for each TCTO which have a current status code less than 06, with a TCTO level of D, 2, B, E or G.

ERROR MESSAGES:

NO INPUT DATA SUBMITTED - CII was omitted from request.

INVALID REQUESTED CII - CII does not match and CII on the CII master file (CE103RSG).

END OF DATA BASE-EOJ - No retired TCTOs were found on-line for requested CII.

SERIAL NUMBER NOT COMPLIED WITH - Applicable serial number(s) in open status (codes 06-21) on retired on-line TCTO(s). Research and correct either by TCTO status update or TCTO file maintenance.

Sample Format F100

F120 - F100 TCTO ACTUARIAL - Propulsion Actuarial Client Server (PACS)

PURPOSE: This TSO program produces a quarterly file that contains data on all active TCTOs. File is sorted by CII, Serial Number, and TCTO number. The information is used to project TCTO kit requirements. Program reads the serial number master segment (CE102RSG), TCTO status record (CE102140), and the TCTO master record (CE104RSG). PACS file produced first of Jan, Apr, Jul and Oct and can only be viewed on PACS (must have PACS user ID).

CRITERIA:

1. Includes all engines, modules and tracked parts for F100, TF39, and T56.
2. Includes only TCTOs that are not retired.
3. Includes all TCTO serial number status values except 04, 05, and 22.
4. Includes installed and spare items.

FILE SPECIFICATIONS:

Data Item	Length	Columns
CII	7	1-7
Serial Number	10	7-17
TCTO Number	17	18-34
TCTO Status	2	35-36
Level of Maintenance	1	37
TCTO Type	1	38
Release Date (DDMMYYYY)	8	39-46
Rescission Date (DDMMYYYY)	8	47-54
TCTO Title	35	55-89
Estimated Manhours	5	90-40
Old Part Number	15	95-109
New Part Number	15	110-124
TMSM	12	125-136
SRAN	4	137-140
SRAN Description	16	141-156
Current Part Number	15	157-171
NHA Serial Number	10	172-181
Status Date (YYYYDDD)	7	182-188

There is no Sample Format for this product.

F125 - ENGINE TCTO AFFECT ON MDS FLEET (1)

PCN: CED042.BPF125.A10A

PURPOSE: This TSO program displays TCTO data on MDS FLEET. Output can be provided by SRAN, Command, status code, and MDS. After submitting a job it will return to the definition panel screen for additional jobs instead of the main menu screen.

- To access this job select option “S” from the “CEMS Technician Primary Menu”. For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

REQUIRED INPUT:

NUMBER OF DEFINITIONS - Must be 1

CII

DATA CODE

COMMAND

SRAN

STATUS CODE OPTION (one-position)

Leave “blank” for all S/N

W - for workable serial numbers, (status codes 06, 08, 12, 14, 17)

O - for open serial numbers, (status codes 06 through 21)

C - for closed serial numbers, (status codes 01 through 05, and 22)

MDS - (do not omit leading spaces, ex. __ F015A)

SORT SEQUENCE (one-position)

A = Status code sequence

S = SRAN sequence

M = MDS, S/N sequence

C = Command code

DEPOT REQUEST - Blank = engines at previous SRAN instead of at depot, Y = engines at depot only.

FILE TRANSFER - Leave blank for normal output. “Y” to product a dataset.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

REQUESTED CII

REQUESTED DATA CODE

REQUESTED OPTION

TCTO STATUS - W = Workable, O = Open, C = Closed, Blank = All

MDS - Mission Design Series

SRAN

COMMAND - Command code for SRAN selected.

TCTO NUMBER - TCTO number for data code selected.

TCTO TITLE

TCTO TYPE

1 = Immediate Action

2 = Urgent Action

3 = Routine - or Record Type

4 = Deleted

5 = Deleted

6 = Deleted

7 = Event Type

8 = Routine Action - Permanent MOD

A = Immediate Action Inspection

B = Urgent Action Inspection

F = Routine Action Inspection

G = Event Type Inspection

LEVEL OF MAINTENANCE

A = Intermediate Safety

B = Depot Safety

C = Intermediate - Permanent MOD

D = Depot - Permanent MOD

E = Depot Update

F = Intermediate Update
G = Depot Update Safety
H = Intermediate Update Safety
1 = Intermediate (other)
2 = Depot (other)

ESTIMATED HOURS

RELEASE DATE - The day, month and year that the TCTO was released by prime ALC.

RESCISSION DATE - The day, month, and year that the TCTO was or will be rescinded.

AIRCRAFT MDS

AIRCRAFT SERIAL NUMBER

SRAN

COMMAND

ENGINE SERIAL NUMBER - If TCTO is loaded against a lower assembly, the engine serial number it is attached to will appear here, otherwise this field will be blank.

ENGINE POSITION - Engine position on aircraft.

TMSM

TCTO ITEM SERIAL NUMBER

STATUS CODE - Current TCTO status code assigned to this serial number.

STATUS DATE - Julian date that TCTO status code was assigned.

ERROR MESSAGES:

CII NUMBER ERROR

INVALID REQUESTED DATA CODE

INVALID DATA CODE

THIS TCTO HAS NO SERIAL NUMBERS FOR THIS CII

INVALID STATUS CODE - Use only W, O, C, or blank for status option

Sample Format F125

F130 - ENGINE TCTO AFFECT ON MDS FLEET (2)

PCN: CED042.BPF130.A10A

PURPOSE: This TSO program displays work load impact of all open TCTOs within 90 days of rescission on an MDS Fleet. Output can be provided by SRAN, Command, and MDS.

- If the aircraft serial number field is left blank, the product will list all open TCTOs within 90 days of rescission against the requested MD or MDS.
- If an aircraft serial number is entered, the product will list all open TCTOs within 90 days of rescission against the requested aircraft.
- This job is extremely long running. Product should be requested so that it will execute during non-prime time only. Prime time is 0800-1200 and 1300-1600 CST.
- After submitting a job it will return to the definition panel screen for additional jobs instead of the main menu screen.
- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

INPUT DATA ELEMENTS:**SORT OPTIONS:**

- S = WW by SRAN
- B = WW by MD and Tail Number
- C = WW by Command
- M = WW by MDS and Tail Number

MD/MDS - Required. 7 position, include leading spaces i.e. :F015: or :F015E

TAIL NUMBER - Optional. If used, sort option defaults to "M" and ignores SRAN and Command

SRAN - Optional. May be used with option "B" or "M". Tail number must be blank. Will only select open TCTOs for requested SRAN

COMMAND - Optional. May be used with option "B" or "M". Tail number must be blank. Will only select open TCTOs for requested Command

TRANSFER - Leave blank for normal output; "Y" to produce a dataset.

DESCRIPTION OF OUTPUT DATA:

REQUESTED SORT OPTION: Output will be in this sequence

REQUESTED MD/MDS

REQUESTED A/C SERIAL NUMBER

REQUESTED SRAN

REQUESTED COMMAND

ENGINE CII

ENGINE S/N - Engine S/Ns for this MD, MDS, A/C

WUC

POS - Position S/N is located on A/C

ITEM CII

ITEM S/N - S/N at level TCTO is written

TMSM

TCTO NUMBER

DATA CODE

LEVEL OF MAINTENANCE:

- A - Intermediate Safety
- B - Depot Safety
- C - Intermediate - Permanent MOD
- D - Depot - Permanent MOD
- E - Depot Update
- F - Intermediate Update
- G - Depot Update Safety
- H - Intermediate Update Safety
- 1 - Intermediate (other)

2 - Depot (other)
TCTO TYPE
1 - Immediate Action
2 - Urgent Action
3 = Routine Action or Record Type
4 = Deleted
5 = Deleted
6 = Deleted
7 = Event Type
8 = Routine Action - Permanent MOD
A = Immediate Action Inspection
B = Urgent Action Inspection
F = Routine Action Inspection
G = Event Type Inspection
ESTIMATED MANHOURS
RESCISSION DATE - The date TCTO was or will be rescinded.
STATUS CODE
STATUS DATE
A/C MDS
A/C S/N - S/N of the aircraft if that option is used, otherwise field is blank.
SRAN
CMD

ERROR MESSAGES:

- MDS
- Enter y or space

Sample Format F130

F165 - TCTO COMPLETION RATES FOR CII BY DATA CODE**PCN: CED042.BPF165.A10A**

PURPOSE: This TSO program will provide management with TCTO completion data on a requested CII and up to 10 data codes/TCTOs applicable to the CII. It also provides a summary of unaccomplished manhours by level of maintenance. After submitting a job it will return to the definition panel screen for additional jobs instead of the main menu screen.

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

REQUIRED INPUT:

NUMBER OF DEFINITIONS - Must be 1

CII

DATA CODE

TRANSFER - Leave blank for normal output; "Y" to produce dataset.

DESCRIPTION OF OUTPUT DATA ELEMENT:

REQUESTED CII NUMBER

NOUN - The descriptive name of the requested item.

REQ STARTING DATA CODE - The first data code entered.

TCTO NUMBER

DATA CODE

RELEASE DATE - The day, month and year that the TCTO was released by the prime ALC.

RESCISSION DATE - The day, month and year the TCTO was, or will be rescinded.

LEVEL OF MAINTENANCE - Type repair facility where the TCTO is accomplished.

A - Intermediate Safety

B - Depot Safety

C - Intermediate - Permanent MOD

D - Depot - Permanent MOD

E - Depot Update

F - Intermediate Update

G - Depot Update Safety

H - Intermediate Update Safety

1 - Intermediate (other)

2 - Depot (other)

QUANTITY OF ITEMS ACCOM - Count of TCTO records with a current status code of 01-05, or 22.

QUANTITY OF ITEMS UNACCOM - Count of TCTO records with a current status of 06-21.

PERCENT ACCOMPLISHED - Quantity of items accomplished multiplied by 100 divided by quantity of items total.

AVG ACTUAL MANHOURS - Total actual manhours divided by quantity of items accomplished.

ESTIMATED MANHOURS - The estimated manhours to accomplish one item applicable to the TCTO.

Last position represents tenths of an hour.

TOTAL UNACCOMP MANHOURS - Cumulative total of estimated manhours from the TCTO status records with a current status code of 06-21.

DEPOT LEVEL UNACCOMPLISHED MANHOURS - Cumulative total of estimated manhours with a current status code of 06-21 with a corresponding level of maintenance of 2, B, E, D, G.

ORGANIZATIONAL AND/OR INTERMEDIATE LEVEL UNACCOMPLISHED MANHOURS - Cumulative total of estimated manhours with a current status code 06-21 with a corresponding level of maintenance of 1, A, C, F, H.

NOTE: ASTERISK (*) to left of TCTO number denotes safety TCTO.

ERROR MESSAGES:

INVALID REQUESTED CII. The requested CII does not match any CII on the CII master file (CE103RSG).

NO INPUT DATA CODE - CHECK INPUT. Input data codes have been omitted.

INVALID REQUESTED DATA CODE. The data code requested does not match any data code on the TCTO master record (CE104RSG).

REQUESTED CII N/A TO DATA CODE

Sample Format F165

2-12 D042G (Actuarial) Products

Actuarial Overview: The actuarial subsystem D042G consists of two file maintenance programs, 13 scheduled batch programs, and two on demand programs. The scheduled (monthly and/or quarterly) programs will normally be executed one to two weeks after the end of the processing cycle (to ensure that most of the late reports have been received and file maintenance to the CE101E and CE101F tables has been completed). The decision to begin processing the actuarial file maintenance and report programs will be made by OC-ALC/TILC personnel.

- The file maintenance programs G100M/Q and G105 are not covered in this document because the ALC actuaries and system users are not required to provide input to these programs (except for normal file maintenance to the actuarial tables using jobs A312 and A319) nor do they receive any system generated output. The output generated from these programs is in the form of data files (actuarial data records and the actuarial summary file) which are used as input to the other scheduled actuarial programs.
- The actuarial system provides output products in paper, browse, and microfiche formats. The individual users are responsible for maintaining copies of the products for their official files.

G100 ACTUARIAL MASTER UPDATE (CDB use only)

PCN: CE.GP022BRW.ERRMSGM - Monthly G022 error messages
CE.GP022BRW.ERRMSGQ - Quarterly G022 error messages

PURPOSE: This TSO program updates the actuarial master file. It also builds the actuarial data records that are used to produce all subsequent actuarial products. At the minimum, one data record is produced for each engine and/or module. The actuarial master file contains a record for each engine and/or module in the inventory with ownership account code of A, G, N, or R that is not condemned or inactive. Non-compatible data elements are placed on browse.

FREQUENCY: About the 10th of each month and quarterly in January, April, July, and October.

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GP022BRW.ERRMSGM' for monthly 'CE.GP022BRW.ERRMSGQ' for quarterly.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

Refer to Sample Format G100 for record layout and format.

ERROR MESSAGES:

Refer to Sample Format G100 for Error Messages.

Sample Format G100-1 (Monthly)
Sample Format G100-2 (Quarterly)

G112 - BASE MAINTENANCE FAILURE RATE REPORTS (CDB use only)

PCN: CED042.BRG112.A1MQ

PURPOSE: This TSO program computes actuarial removal rates for base maintenance from exposure information. Compares actual and official removal rates. Provides summary of exposures, base maintenance (B/M) usage removals, expected B/M removals, projected B/M removals, crude removal rates and adjusted and/or smoothed removal rates by age interval. Computes total flying hours, hours flown per removal, average age at removal, removal density, ratio(s) of actual to expected removals and control factor. This program reads the actuarial date control record, actuarial summary file, and the official failure rate table (CE101RSF).

- This is a CDB internal operating program and is provided for information only.

FREQUENCY: Quarterly

MEDIA: Paper

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GPG112.CM.REPORT'.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ACTUARIAL COMBINATION - Is the name of the engine and/or aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.

COMMAND ABBREVIATION CODE - Is the abbreviated name of a major command.

ENGINE AGE - Is the engine age interval (from zero to 450) where experience data will be summarized.

B/M OFR - B/M official failure rates are selected using failure rates from a past data period or a comparison engine for comparison with recent experience.

STAT TEST - Is a measure of confidence to determine if significant difference exists between the B/M official failure rate (OFR) and the B/M crude removal rate (value greater than zero). An asterisk will be printed in the appropriate age interval.

EXPOSURES - The period within an age interval during which an engine was operated, divided by the size of the age interval.

ACTUAL B/M USAGE REMOVALS - Are records with ending TCC of LF, LG, KF, KG, MF, or MG and usage reason for removal codes.

EXPECTED B/M USAGE REMOVALS - Are computed by multiplying the appropriate B/M OFR times the exposures of the corresponding age interval.

PROJECTED B/M USAGE REMOVALS - Are computed by multiplying the exposures times the smoothed and/or adjusted B/M removal rates for the corresponding age interval.

B/M CRUDE REMOVAL RATES - Are computed by dividing the B/M usage removals by the exposures for each age interval. If the crude rate is greater than or equal to one, set the crude rate equal to .9999.

SMOOTHED B/M REMOVAL RATES - The computed B/M crude removal rates are smoothed by using a smoothing formula that is determined by computing the removal density.

ADJUSTED REMOVAL RATES - If crude rates do not meet the criteria for smoothing, they are adjusted as follows:

- If crude rate of first age interval is equal to zero, multiply the OFR of each age interval by the ratio of (total actual combined usage removals to max-time interval) to (total expected combined usage removals to max-time interval).
- If the crude rate of first age interval is not equal to zero, the adjusted rate of the first age interval is equal to the crude rate of the first age interval. The adjusted rates for the second age interval to the max time age interval are equal to the respective OFRs times the ratio of (total actual combined usage removals from the second interval to the max-time interval) to (total expected combined usage removals from the second interval to the max-time interval). If any adjusted rate is greater than or equal to one, set the value to .9999.

STAT TEST - If significant difference exists between the B/M crude removal rate and the smoothed and/or adjusted B/M removal rate (value greater than zero), an asterisk will be printed in the appropriate age interval.

RATIO OF ACTUAL TO EXPECTED REMOVALS - Is the quotient of the total actual B/M usage removals divided by the total expected B/M usage removals. See the appropriate total columns for total values.

REMOVAL DENSITY - Is the average quantity of removals per age interval within the smoothing range. It is the total usage removals divided by the number of intervals (second interval through the interval containing at least one usage removal having 20 or more exposures and not having two successive zeros in the usage removal column of the preceding four intervals). The value of the removal density determines the number of points to be utilized in the smoothing process.

SMOOTHING FORMULA - The number of points to be utilized in the smoothing process will be determined by the following procedure:

- If the removal density is equal to or greater than 1.5 but less than 4.0, use 17-point formula for smoothing.
- If the removal density is equal to or greater than 4.0 but less than 8.0, use 13-point formula for smoothing.
- If the removal density is equal to or greater than 8.0, use nine-point formula for smoothing.
- No smoothing is to be done when the removal density is less than 1.5 or the crude rate to be smoothed are less than nine.

CONTROL FACTOR - Is used to show if a significant difference exists between expected and actual B/M usage removals. If the value is greater than or equal to the absolute value of one, a significant difference exists.

MAX TIME - is the current official maximum operating time value.

TOTAL FLYING HOURS - Are computed by subtracting starting time from ending time for each actuarial data record except those with record description codes equal "0/0" and ")", and summing by actuarial combination.

HOURS FLOWN PER REMOVAL - Are computed by dividing total flying hours by the total number of B/M usage removals at end time.

AVERAGE AGE AT REMOVAL - Is computed by summing the ages of the B/M usage removals (the quantity in an age interval times the midpoint of its age interval) through end time and dividing by the total B/M usage removals at end time.

Sample Format G112

G122 - COMBINED FAILURE RATE REPORTS (CDB use only)

PCN: CED042.BRG122.A1MQ

PURPOSE: This TSO program computes removal rates on total removals for maintenance (base maintenance plus overhaul). Provides summary of exposures, actual combined usage removals, expected combined removals, and projected combined removals by age interval. Calculates crude removal rates and adjusted and/or smoothed removal rates by age interval. Statistically tests official combined removal rates and crude removal rates as well as comparing the crude and adjusted and/or smoothed removal rates. Computes ratio of actual to expected removals, total flying hours, removal density; hours flown per removal, average age at removal and control factor. This program reads the actuarial date control record, the official failure rate table (CE101RSF) and the actuarial summary file.

- This is a CDB internal operating program and is provided for information only.

FREQUENCY: Quarterly

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GP122BRW.CM'.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ACTUARIAL COMBINATION - Is the name of the engine-aircraft designation (TSM and/or MDS) under which reports are grouped for actuarial computations. **Command Abbreviation Code** - is the abbreviated name of a major command.

ENGINE AGE - Is the engine age interval (from zero to 450) where experience data will be summarized.

COMB OFR - Comb official failure rates are selected using failures rates from a past data period or a comparison engine for comparison with recent experience.

STAT TEST - Is a measure of confidence to determine if significant difference exists between the comb OFR and the comb crude removal rate (value greater than zero), an asterisk will be printed in the appropriate age interval.

EXPOSURES - The period within an age interval during which an engine was operated, divided by the size of the age interval.

ACTUAL COMB USAGE REMOVALS - Are records with ending TCCs of LF, LG, KF, KG, MF, MG, LL, KL, ML, or MK and usage reason for removal codes.

EXPECTED COMB USAGE REMOVALS - Are computed by multiplying the appropriate comb OFR times the exposures of the corresponding age interval.

PROJECTED COMB USAGE REMOVALS - Are computed by multiplying the exposures times the smoothed and/or adjusted comb removal rates for the corresponding age interval.

COMB CRUDE REMOVAL RATES - Are computed by dividing the comb usage removals by the exposures for each age interval. If the crude rate is greater than or equal to one, set the crude rate equal to .9999.

SMOOTHED COMB REMOVAL RATES - The computed comb crude removal rates are smoothed by using a smoothing formula that is determined by computing the removal density.

ADJUSTED REMOVAL RATES - If crude rates do not meet the criteria for smoothing, they are adjusted as follows:

- If crude rate of first age interval is equal to zero, multiply the OFR of each age interval by the ratio of (total actual combined usage removals to max-time interval) to (total expected combined usage removal to max-time interval).
- If the crude rate of first age interval is not equal to zero, the adjusted rate of the first age interval is equal to the crude rate of the first age interval. The adjusted rates for the second age interval to the max-time age interval are equal to the respective OFRs times the ratio of (total actual combined usage removals from the second interval to the max-time interval) to (total expected combined usage removals from the second interval to the max-time interval). If any adjusted rate is greater than or equal to one, set the value to .9999.

STAT TEST - If significant difference exists between the comb crude removal rate and the smoothed and/or adjusted comb removal rate (value greater than zero), an asterisk will be printed in the appropriate age interval.

RATIO OF ACTUAL TO EXPECTED REMOVALS - Is the quotient of the total actual comb usage removals divided by the total expected comb usage removals. See the appropriate total columns for total values.

REMOVAL DENSITY - Is the average quantity of removals per age interval within the smoothing range. It is the total usage removals divided by the number of intervals (second interval through the interval containing at least one usage removal having 20 or more exposures and not having two successive zeros in

the usage removal column of the preceding four intervals). The value of the removal density determines the number of points to be utilized in the smoothing process.

SMOOTHING FORMULA - The number of points to be utilized in the smoothing process will be determined by the following procedure:

- If the removal density is equal to or greater than 1.5 but less than 4.0, use 17-point formula for smoothing.
- If the removal density is equal to or greater than 4.0 but less than 8.0, use 13-point formula for smoothing.
- If the removal density is equal to or greater than 8.0, use nine-point formula for smoothing.
- No smoothing is to be done when the removal density is less than 1.5 or the crude rates to be smoothed are less than nine.

CONTROL FACTOR - Is used to show if a significant difference exists between expected and actual comb usage removals. If the value is greater than or equal to the absolute value of one, a significant difference exists.

MAX TIME - Is the current official maximum operating time value.

TOTAL FLYING HOURS - Are computed by subtracting starting time from ending time for each actuarial data record except those with record description codes equal "0/0" and ")", and summing by actuarial combination.

HOURS FLOWN PER REMOVAL - Are computed by dividing total flying hours by the total number of comb usage removals at end time.

AVERAGE AGE AT REMOVAL - Is computed by summing the ages of the comb usage removals (the quantity in an age interval times the midpoint of its age interval) through end time and dividing by the total comb usage removals at end time.

Sample Format G122

G132 OVERHAUL FAILURE RATE REPORTS • CDB use only

PCN: CED042.BRG132.A1MQ

PURPOSE: This TSO program computes removal rates for overhaul removals from exposure information. Provides summary of exposures, overhaul usage removals, expected overhaul removals, projected overhaul removals, crude removal rates and adjusted and/or smoothed removal rates by age interval. Statistically tests official and/or crude removal rates and crude and/or adjusted or smoothed removal rates. Computes actuarial engine life, actuarial life remaining compute percentages for surviving overhaul and failing overhaul. Calculates ratio of actual overhaul removals to expected overhaul removals, removal density, total flying hours, hours flown per removal, average age at removal and control factor. This program reads the actuarial date control record, the official failure rate table (CE101RSF) and the actuarial summary file.

- This is a CDB internal operating program and is provided for information only.

FREQUENCY: Quarterly

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GP132BRW.CM'.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ACTUARIAL COMBINATION - Is the name of the engine-aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.

COMMAND ABBREVIATION CODE - Is the abbreviated name of a major command.

ENGINE AGE - Is the engine age interval (from zero to 450) where experience data will be summarized.

O/H OFR - O/H official failure rates are selected using failures rates from a past data period or a comparison engine for comparison with recent experience.

STAT TEST - Is a measure of confidence to determine if significant difference exists between the O/H OFR and the O/H crude removal rate (value greater than zero) an asterisk will be printed in the appropriate age interval.

EXPOSURES - the period within an age interval during which an engine was operated, divided by the size of the age interval.

ACTUAL O/H USAGE REMOVALS - Are records with ending TCCs of LF, LG, KF, KG, MF, or MG and usage reason for removal codes.

EXPECTED O/H USAGE REMOVALS - Are computed by multiplying the appropriate O/H OFR times the exposures of the corresponding age interval.

PROJECTED O/H USAGE REMOVALS - Are computed by multiplying the exposures times the smoothed and/or adjusted O/H removal rates for the corresponding age interval.

O/H CRUDE REMOVAL RATES - Are computed by dividing the O/H usage removals by the exposures for each age interval. If the crude rate is greater than or equal to one, set the crude rate equal to .9999.

SMOOTHED O/H REMOVAL RATES - The computed O/H crude removal rates are smoothed by using a smoothing formula, which is determined by computing the removal density.

ADJUSTED REMOVAL RATES - If crude rates do not meet the criteria for meeting, they are adjusted as follows:

- If crude rate of first age interval is equal to zero, multiply the OFR of each age interval by the ratio of (total actual combined usage removals to max-time interval) to (total expected combined usage removals to max-time interval).
- If the crude rate of first age interval is not equal to zero, the adjusted rate of the first age interval is equal to the crude rate of the first age interval. The adjusted rates for the second age interval to the max-time age interval are equal to the respective OFRs times the ratio of (total actual combined usage removals from the second interval to the max-time interval) to (total expected combined usage removals from the second interval to the max-time interval). If any adjusted rate is greater than or equal to one, set the value to .9999.

STAT TEST - If significant difference exists between the O/H crude removal rate and the smoothed and/or adjusted O/H removal rate (value greater than zero) an asterisk will be printed in the appropriate age interval.

PERCENTAGE SURVIVING O/H - The first age interval contains a value of 100.00 and the remaining age intervals are computed by subtracting from the previous interval value the value of the percent failing O/H for the previous interval.

PERCENTAGE FAILING O/H - Is computed by multiplying the percent surviving O/H by the smoothed

and/or adjusted O/H removal rate for each age interval.

AEL (Actuarial Engine Life) - Is defined as the (accumulated percent surviving O/H) minus 50) times the size of the age interval divided by 100.

ACTUARIAL LIFE REMAINING (ALR) - Defined as (summation of percent surviving from age (N + 1) to max time) times size of age interval divided by percent surviving (N) plus one-half size of age interval.

RATIO OF ACTUAL TO EXPECTED REMOVALS - Is the quotient of the total actual O/H usage removals divided by the total expected O/H usage removals. See the appropriate total columns for total values.

REMOVAL DENSITY - Is the average quantity of removals per age interval within the smoothing range. It is the total usage removals divided by the number of intervals (second interval through the interval containing at least one usage removal having 20 or more exposures and not having two successive zeros in the usage removal column of the preceding four intervals). The value repeats of the removal density determines the number repeats of the removal density determines the number of points to be utilized in the smoothing process.

SMOOTHING FORMULA - The number of points to be utilized in the smoothing process will be determined by the following procedure:

- If the removal density is equal to or greater than 1.5 but less than 4.0, use 17-point formula for smoothing.
- If the removal density is equal to or greater than 4.0 but less than 8.0, use 13-point formula for smoothing.
- If the removal density is equal to or greater than 8.0, use nine-point formula for smoothing.
- No smoothing is to be done when the removal density is less than 1.5 or the crude rates to be smoothed are less than nine.

CONTROL FACTOR - Is used to show if a significant difference exists between expected and actual O/H usage removals. If the value is greater than or equal to the absolute value of one, a significant difference exists.

MAX TIME - Is the current official maximum operating time value.

TOTAL FLYING HOURS - Are computed by subtracting starting time from ending time for each actuarial data record except those with record description codes equal % and), and summing by actuarial combination.

HOURS FLOWN PER REMOVAL - Are computed by dividing total flying hours by the total number of O/H usage removals at end time.

AVERAGE AGE AT REMOVAL - Is computed by summing the ages of the O/H usage removals (the quantity in an age interval times the midpoint of its age interval) through end time and dividing by the total O/H usage removals at end time.

Sample Format G132

G142 EXPOSURE REPORTS

PCNs: CED042.BRG142.A1MQ
CED042.BRG142.B1MQ

PURPOSE: This TSO program provides a summary of experience data by actuarial combination. The program tabulates exposure and removal data by engine age. Provides installed and/or spare inventory distributions. Compares OFR (B/M, O/H, COMB) and actual removal data. Computes JEIM return rates, hours flown per removal, removals per 1,000 hours, expected removals, ratio of expected to actual removals, average age of removal, hours flown first 100 hours, total flying hours, utilization rate, and (B/M, O/H, COMB) removals first 100 hours. Computes adjusted JEIM return rates for engines converted to overhaul for the current quarter and eleven previous quarters. Computes control factor for OFR and control factor for JEIM return rate. This program reads the actuarial date control record, the official failure rate table (CE101RSF) and the actuarial summary file.

- This is a CDB internal operating program and is provided for information only.

FREQUENCY: Quarterly

MEDIA: Paper

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GPG142.WW.REPORT'.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ACTUARIAL COMBINATION - Is the name of the engine-aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.

COMMAND ABBREVIATION CODE - Is the abbreviated name of a major command.

ENGINE AGE - Is the engine age interval (from zero to 450) where experience data will be summarized.

INSTALLED ACTIVE INVENTORY (EOP) - Represents a count of all engines which had the following TCCs as of the end date of the processing period: AA, BA, CA, DA, RA, SA, TA, UA, VA, and NA.

SPARES (EOP) - Represents a count of all engines whose last report for the quarter did not have transaction codes of W, X, Y, or Z condition codes A, C, or Z.

EXPOSURE - The period within an age interval during which an engine was operated, divided by the size of the age interval.

OFR (O/H, B/M, Comb) - Are official failure rates which have been selected using failure rates from past periods or comparison engines which are used for comparison with recent experience.

O/H USAGE REMOVALS - Are records with ending TCCs of LL, KL, ML, or MK and usage reason for removal codes.

O/H MAXTIME REMOVALS - Are records with an ending TCC of LL and 866 (8A) reason for removal code.

O/H OTHER REMOVALS - Are records with ending TCCs of LL, KL, ML, or MK and other removal for removal codes.

B/M USAGE REMOVALS - Are records with ending TCCs of LF, LG, KF, KG, MF, or MG and usage reason for removal codes.

B/M PE REMOVALS - Are records with ending TCCs of LF, LG, KF, KG, MF, or MG and 878 (8Q) reason for removal code.

B/M OTHER REMOVALS - Are records with ending TCCs of LF, LG, KF, KG, MF, or MG and other reason for removal codes.

COMB USAGE REMOVALS - Are the sum of B/M usage removals and O/H usage removals.

HOURS FLOWN PER REMOVAL - Are computed by dividing total flying hours by the total number of usage removals (O/H, B/M, or comb) at end time.

REMOVALS PER 1,000 HOURS - Are computed by dividing total usage removals (O/H, B/M, or comb) by (total flying hours divided by 1,000).

EXPECTED REMOVALS - Are computed by multiplying the appropriate official failure rate (O/H, B/M, comb) times the exposures of the corresponding age interval.

RATIO OF EXPECTED TO ACTUAL REMOVALS - Is the quotient of the total expected removals (O/H, B/M, comb) divided by the total actual usage removals (O/H, B/M, comb).

CONTROL FACTOR FOR OFR - Is used to show if a significant difference exists between expected and actual removals (O/H, B/M, comb) and equals (actual removals minus expected removals) divided by (two times square root of the actual removals).

CONTROL FACTOR FOR JET ENGINE INTERMEDIATE MAINTENANCE (JEIM) RR - Is used to show

if a significant difference exists between the expected (JEIM adjusted) and the actual usage removals (O/H, B/M). These control factors do not include B/M periodic inspection removals in the usage removals.

CONTROL FACTOR FOR JEIM (O/H) - Equals (actual minus expected) divided by (two times square root of actual); where actual equals actual O/H usage removals and expected equals actual comb usage removals times (one minus official JEIM return rate).

CONTROL FACTOR FOR JEIM (B/M) - Same as above except actual equals actual B/M usage removals and expected equals actual comb usage removals times official JEIM return rate.

OFFICIAL JEIM RETURN RATE - Is the current official JEIM return rate value.

MAX TIME - Is the current official maximum operating time value.

TOTAL FLYING HOURS - Are computed by subtracting starting time from ending time for each actuarial data record except records for which the record description code equals "%" and ")", and summing by actuarial combination.

UTILIZATION RATE (QTR) - Is obtained by dividing total flying hours by the average installed active inventory for the quarter.

AVERAGE AGE OF INSTALLED INVENTORY - Is obtained by summing the ages of the installed active inventory at end of the quarter through end time and dividing the sum by the total installed active inventory at end time.

AVERAGE AGE OF O/H REMOVALS - Is obtained by summing the ages of the O/H usage removals through end time and dividing the sum by the total O/H usage removals at end time.

AVERAGE AGE OF O/H AND MAX TIME REMOVALS - Is obtained by the summing the ages of the O/H usage removals plus O/H max time removals through end time and dividing the sum by the total O/H usage and O/H maxtime removals at end time.

AVERAGE AGE OF MAX TIME REMOVALS - Is obtained by summing the ages of the O/H max time removals through end time and dividing the sum by the total O/H max time removals at end time.

HOURS FLOWN FIRST 100 HOURS - Are the actual flying hours that occurred the first 100 hours of the reporting quarter.

B/M REMOVALS FIRST 100 HOURS - Are the actual B/M usage removals that occurred within the first 100 hours of the reporting quarter.

O/H REMOVALS FIRST 100 HOURS - Same as above except substitute O/H usage removals.

COMB REMOVALS FIRST 100 HOURS - Same as above except substitute comb usage removals.

JEIM RETURN RATES - Shows the adjusted JEIM rate values for the current and previous 11 quarters. Listed by quarter are the number of engines that converted to overhaul by usage and other categories. Rates are obtained by dividing the quantity (B/M usage removals plus B/M PE removals) by the quantity (combined usage removals plus B/M PE removals).

Sample Format G142

G212 INSTALLED ENGINE REPORT • CDB use only

PCN: CED042.NPG212.A1MQ

PURPOSE: This TSO program provides a summary of all actuarial combinations that had any installed active (EOP), usage removals, or flying hours reported during the quarter. Compute the quantity and average age of the installed active (EOP), usage removals (O/H, B/M, comb), total flying hours, average flying hours, and removals per one thousand hours. This report is a source for engine flying hours by combination and command. This program reads the actuarial date control record and the actuarial data record.

- This is a CDB internal operating program and is provided for information only.

FREQUENCY: Quarterly

- To access this job select option “1” (View) from the “ISPF Primary Option Menu” in full TSO, enter data set name ‘CE.GP212BRW.REPORT’.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ACTUARIAL COMBINATION - Is the name of the engine and/or aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.

REPORTED COMBINATION - Is the actual engine and/or aircraft (TMSM and/or MDS) designation.

COMMAND - Is the abbreviated name of a major command.

INSTALLED ACTIVE (EOP) - Represents a count of all engines which had the following TCC as of the end date of the processing period: AA, BA, CA, DA, RA, SA, TA, UA, VA, and NA.

AVERAGE AGE OF INSTALLED ACTIVE - Is obtained by summing the ages of the installed active inventory at the end of the quarter through end time and dividing the sum by the total installed active inventory at end time.

O/H USAGE REMOVALS - Are records with ending TCCs of LL, KL, ML, or MK and usage reason for removal codes.

B/M USAGE REMOVALS - Are records with ending TCCs of LF, LG, KF, KG, MF, or MG and usage reason for removal codes.

COMB USAGE REMOVALS - Are the sum of B/M usage removals and O/H usage removals.

TOTAL FLYING HOURS - Are computed by subtracting starting time from ending time for each actuarial data record except records for which the record description code equals “%” and “)”, and summing by actuarial combination.

AVERAGE FLYING HOURS - Is computed by dividing the total flying hours by the average installed active inventory for the reporting period. The average installed active inventory is the average of the beginning and ending installed active inventory.

REMOVALS PER 1,000 HOURS - Computed by dividing the comb usage removals by (total flying hours divided by 1,000).

Sample Format G212

G221 ACTUARIAL FOD SUMMARY REPORT • CDB use only

PCN: CED042.NPG221.A1MQ

PURPOSE: This TSO program tabulates according to maintenance disposition usage removals, removals caused by FOD, and gross removals (those removed for all reasons); computes total flying hours and the FOD rate per 1,000 hours for each actuarial combination, command and base. This report is used to compare bases, commands and actuarial combinations and for statistically testing different engine environments for significant differences in engine FOD incidence as reflected by the FOD rate per 1,000 hours. This program reads the actuarial date control record and the actuarial data records.

- This is a CDB internal operating program and is provided for information only.

FREQUENCY: Quarterly

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GP221BRW.REPORT'.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ACTUARIAL COMBINATION - is the name of the engine and/or aircraft designation (TSM and/or MDS) under which reports are grouped for actuarial computations.

COMMAND - is the abbreviated name of a major command.

SRAN Description - is the name assigned to a specific base.

SRAN - identifies the specific base where an engine or module is located.

Gross O/H Removals - are the number of gross O/H removals that had TCCs of LL, KL, ML, MK and all reason for removal codes (except 483).

Gross B/M Removals - are the number of gross B/M removals that had TCCs of LF, KF, LG, KG, MF, MG and all reason for removal codes (except 483).

Gross Comb Removals - are the sum of the number of gross O/H removals and gross B/M removals.

O/H Usage Removals - are records with ending TCCs of LL, KL, ML, or MK and usage reason for removal codes.

B/M Usage Removals - are records with ending TCCs of LF, LG, KF, KG, MF, or MG and usage reason for removal codes.

Comb Usage Removals - are the sum of O/H usage removals and B/M usage removals.

O/H FOD Removals - are records with ending TCCs of LL, KL, ML, or MK and FOD reason for removal codes of 476, 303, 477, and 478.

B/M FOD Removals - are records with ending TCCs of LF, LG, KF, KG, MF, or MG and FOD reason for removal codes of 476, 303, 477, and 478.

Comb FOD Removals - are the sum of O/H FOD removals and B/M FOD removals. **Flying Hours** - are computed by subtracting starting time from ending time for each actuarial data record except records for which the record description code equals % and).

FOD Rate Per 1,000 Hours - is obtained by dividing comb FOD removals by (total flying hours divided by 1,000.)

Sample Format G221

G232- EXPERIENCE ANALYSIS REPORTS • CDB use only

PCN: CED042.BRG232.A1MQ

PURPOSE: This TSO program provides flying hours and removals by overhaul agency, number of previous base repairs, command, model, mission, and base. Computes JEIM return rates, hours flown per removal, expected removals, adjusted expected removals, control factor and K-factor; computes overhaul agency performance data; statistically analyzes usage experience data to determine which subgroups have abnormal experience; identifies out-of control subgroups; and compares each subgroup's experience to that of the total. This program reads the actuarial data record, the actuarial date control record and the official failure rate table (CE101RSF).

FREQUENCY: Quarterly

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GU232BRW.BASE'.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

BASE REPORT:

ACTUARIAL COMBINATION - Is the name of the engine and/or aircraft designation(TMSM and/or MDS) under which reports are grouped for actuarial computations.

SRAN DESCRIPTION - Is the name assigned to a specific base.

SRAN - Identifies the specific base where an engine or module is located.

INSTALLED ACTIVE (EOP) - Represents a count of all engines which had the following TCCs as of the end of the processing period: AA, BA, CA, DA, RA, SA, TA, UA, VA, and NA.

USAGE REMOVALS - Records with ending TCCs of LL, KL, ML, or MK and usage reason for removal codes.

B/M USAGE REMOVALS - Records with ending TCCs of LF, LG, KF, KG, MF, or MG and usage reason for removal codes.

COMB USAGE REMOVALS - The sum of B/M usage removals and O/H usage removals.

PERIODIC INSPECTION REMOVALS - Records with ending TCCs of LF, LG, KF, KG, MF, or MG and 878 (SQ) reason for removal codes.

FLYING HOURS QTR - Computed by subtracting starting time from ending time for each actuarial data record except records for which the record description code equals % and), and summing by actuarial combination.

JEIM RATE - Is computed by dividing the quantity (B/M usage removals plus B/M PE removals) by the quantity (combined usage removals plus B/M PE removals) removals.

FLYING HOURS PER O/H REMOVAL - Computed by dividing the flying hours by the O/H usage removals.

FLYING HOURS PER B/M REMOVAL - Computed by dividing the flying hours by the B/M usage removals.

FLYING HOURS PER COMB REMOVAL - Computed by dividing the flying hours by the comb usage removals.

EXPECTED REMOVALS - Computed by multiplying the W/W comb official failure rate times exposures.

ADJUSTED EXPECTED REMOVALS - Computed by multiplying expected comb usage removals times K-Factor.

CONTROL FACTOR - Used to show significant difference between adjusted expected and actual comb usage removals. The value is computed by (actual comb usage removals minus adjusted expected comb usage removals) divided by (two times square root of actual comb usage removals).

K-FACTOR - Computed by dividing the total actual comb usage removals by the total expected comb usage removals.

W/W REPORT:

PREVIOUS O/H AGENCY - The number of previous O/Hs and the last overhaul agency to perform major overhaul.

NUMBER BASE MAINTENANCE - The number of previous base maintenance on an engine since last major overhaul (or since new if never overhauled) that have been accomplished on an engine as of the end date.

COMMAND - Is the abbreviated name of a major command.

MODEL - Is the reported TMSM designation.

MISSION - Is the mission designation from the reported.

MDS

NUMBER EXPOSURES FIRST 100 HOURS - Sum of the exposures that occurred in the first 100 hours of operation.

USAGE REMOVALS 100 HOURS - Are the actual O/H, B/M or comb usage removals that occurred in the first 100 hours of the reporting period.

REMOVAL RATE FIRST 100 HOURS - Is computed by dividing the O/H, B/M, or combined usage removals by the number of exposures in the number of exposures in the first 100 hours.

Sample Format G232

G311 - Master Grouping Table Listing

PCN: CED402.NPG311.A1MQ

PURPOSE: The purpose of this TSO program is to provide a listing of detailed engine and aircraft designations that have been reported in the past or are expected to be reported in the future; and provides cross reference of reported to actuarial combination. The actuarial combination is used to group the reported engine and/or aircraft designation for actuarial computations. This program reads the master grouping table (CE101RSE).

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ACTUARIAL COMBINATION - is the name of the engine and/or aircraft designation (TMSM and/or MDS) under which data is grouped for actuarial computations and reports.

REPORTED COMBINATION - is the actual engine and/or aircraft (TMSM and/or MDS) designation as it was reported.

Sample Format G311

G321 - OFFICIAL FAILURE RATE TABLE LISTING

PCN: CED042.BRG321.A1MQ

PURPOSE: The purpose of this TSO program is to provide a complete listing of official failure rates (B/M, O/H, comb) for each actuarial combination and command. Provides list of maximum time, size of age interval, number of quarters required to produce B/M, O/H, and combined failure rate reports, beginning and/or ending base period of the official failure rate, official dependability index, and the official JEIM return rate. The official failure rate data is used in calculating actuarial factors and reports. This program reads the official failure rate table (CE101RSF).

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ACTUARIAL COMBINATION - Is the name of the engine and/or aircraft designation (TSM and/or MDS) under which reports are grouped for actuarial computations.

COMMAND - Is the abbreviated name of the major command.

PRIME ALC - A code to indicate to which ALC an actuarial combination belongs.

MAX TIME - The current official maximum operating time; leave blank if no max time.

SIZE OF AGE INTERVAL - Is the width of age interval upon which the official failure rate was computed.

NUMBER OF INTERVALS - The number of age intervals (450 maximum) to be displayed in the official failure rate table.

Number of O/H, B/M, and comb quarters represents the number of quarters (from one to 12) required for processing the failure rate reports.

BASE PERIOD OF OFFICIAL FAILURE RATE (BEG) - Represents the beginning period (QYY) where Q is the quarter and YY is the fiscal year upon which the official failure rate was computed.

BASE PERIOD OF OFFICIAL FAILURE RATE (END) - Represents the ending period (QYY) where Q is the quarter and YY is the fiscal year which the official failure rate was computed.

OFFICIAL DEPENDABILITY INDEX (DI) - The current official dependability index value.

JEIM RATE - Is the current official JEIM return rate value.

AGE - Is the value of the age interval up to the number of interval requested in number of intervals.

O/H OFR - Is the official overhaul failure rate by age interval.

B/M OFR - Is the official base maintenance failure rate by age interval.

COMB OFR - Is the official combined failure rate by age interval.

Sample Format G321

G332 - ACTUARIAL LISTING • CDB use only

PCN: CED402.NPG332.A1MQ

PURPOSE: The purpose of this TSO program is to provide a listing of actuarial data by actuarial combination, S/N, and date sequence for use in detailed analyses; used to tabulate the number of previous overhaul and base maintenance repairs, time at last base maintenance, date of last overhaul, last overhaul agency, major command, SRAN and SRAN description; provides starting time, date and TCC, ending time, date and TCC, and reason for removal. This program reads the actuarial date control record and the actuarial data record.

FREQUENCY: Quarterly

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GP332BRW.REPORT'.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

ACTUARIAL COMBINATION - Is the name of the engine and/or aircraft designation (TSM and/or MDS) under which reports are grouped for actuarial computations.

REPORTED DESIGNATION - Is the actual engine and/or aircraft designation (TSM and/or MDS) as reported.

SRAN DESCRIPTION - Is the name assigned to a specific base.

SRAN - Identifies the specific base where an engine or module is located.

NUMBER OF PREVIOUS O/H - The number of previous major overhauls on an engine since new.

NUMBER OF PREVIOUS B/M - The number of previous bases maintenance on an engine since last major overhaul or since new if no previous major overhaul.

LAST OVERHAUL AGENCY - The SRAN that performed the last overhaul on a propulsion unit.

MAJOR COMMAND - Is the common abbreviated name of a major command.

START TIME - Is the time on the engine as of the start date.

END TIME - Is the time on the engine as of the end date.

START CODE - Is the TCC as of the start date.

END CODE - Is the TCC as of the end date.

REMOVAL CODE - Is a three-position code that denotes the reason for which an engine was removed.

START DATE - Indicates the Julian date of the starting code.

END DATE - Indicates the Julian date of the ending code.

ENGINE SERIAL NUMBER - Is a unique number assigned by the Air Force to an engine or auxiliary power unit for identification purposes.

TIME LAST MAINTENANCE - Is the time at the last base maintenance as of the end date. Value is zero if no base maintenance since last major overhaul or new as of the end date.

DATE LAST O/H - Indicates the Julian date of the last major overhaul.

RECORD DESCRIPTION CODE - This data is used to denote classes of actuarial data record which are to be processed differently in actuarial programs.

"#" - Indicates that a removal in the current processing period has not been confirmed by a work completed report or by a re-installation report. Removal may change to a different level of maintenance in a subsequent processing period. Record is processed in all actuarial products as a removal in the current processing period.

")" - Indicates a record which initiates an adjustment to removal data of a previous period.

Two categories:

- This record has reported a change in level of maintenance for a record with a # in a previous processing period. The “)” record is displayed only and is not processed in the actuarial products of the current processing period as a removal.
- A removal that occurred in the previous period but was not reported until the current processing period. Record will not be processed as a removal in the current processing period.

“%” - Indicates a record with a “#” in a previous processing period has undergone a change in level of maintenance. The “)” record will be displayed only and will not be processed as a removal in actuarial products of the current processing period.

“b” - Indicates that this record has been processed in the actuarial products of the current processing period.

Sample Format G332

G341M - REMOVAL AND LOSS REPORT - MONTHLY • CDB use only

PCN: CED042.NPG341.A1MM

PURPOSE: The purpose of this TSO program is to provide data on all actuarial combinations that had any removals in the reporting month.

PART 1 provides data by reported engine and/or aircraft designation, condition code, reason for removal and command which contains transaction code, reason for return to O/H, SRAN description, SRAN number, number removals, engine S/N, hours since O/H and B/M, number previous O/H and B/M, last overhaul agency, date removed and record description code.

PART 2 provides a summary by condition code and/or reason for removal code, the number of removals and the total removals for each condition code.

PART 3 is not provided in the monthly report. This program reads the actuarial data record and the actuarial date control record.

MEDIA: Paper

- To access this job select option “1” (View) from the “ISPF Primary Option Menu” in full TSO, enter data set name ‘CE.GPG341.M.REPORT’.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

PART 1 DETAIL LIST:

ACTUARIAL COMBINATION - Indicates the name of the engine and/or aircraft designation(TMSM and/or MDS) under which reports are grouped for actuarial computations.

REPORTED DESIGNATION - Indicates the actual engine and/or aircraft designation (TMSM and/or MDS) as reported.

TRANSACTION AND/OR CONDITION - A code which indicates the transaction and/or condition of an engine.

REASON FOR RETURN TO O/H - Code that indicates the reason for which an engine is returned to overhaul.

NUMBER REMOVALS - Indicates a count of removals under each different condition code (B, F, G, K, L).

REMOVAL REASON - Denotes the reason for which an engine was removed.

COMMAND - is the common abbreviated name of a major command.

SRAN DESCRIPTION - Is the name assigned to a specific base.

SRAN - Identifies the specific base where an engine or module is located.

SERIAL NUMBER - Is a unique number assigned by the Air Force to an engine or auxiliary power unit for identification purposes.

HOURS SINCE O/H - Indicates the time on an engine at removal since last major overhaul or since new if no major overhaul has been accomplished on the engine.

HOURS SINCE B/M - Indicates the time since last base maintenance or if the previous maintenance was a major overhaul then the time since last maintenance is set equal to zero.

NUMBER PREVIOUS O/H - The number of previous major overhauls on an engine since new.

NUMBER PREVIOUS B/M - The number of previous base maintenance on an engine since last major overhaul or since new if no major overhaul.

LAST O/H AGENCY - Indicates the SRAN that performed the last overhaul on a propulsion unit.

DATE REMOVED - the actual Julian date the engine was removed even if the level of maintenance changed at a later date.

RECORD DESCRIPTION CODE - This data is used to denote classes of actuarial data record, which are to be processed differently in actuarial programs.

“#” - Indicates that a removal in the current processing period has not been confirmed by a work completed report or by a re-installation report. Removal may change to a different level of maintenance in a subsequent processing period. Record is processed in all actuarial products as a removal in the current processing period.

“)” - Indicates a record which initiates an adjustment to removal data of a previous period.

Two categories:

- This record has reported a change in level of maintenance for a record with a # in a previous processing period. The “)”record is displayed only and is not processed in the actuarial products of the current processing period as a removal.

- A removal that occurred in the previous period but was not reported until the current processing period. Record will not be processed as a removal in the current processing period.

“%” - Indicates a record with a “#” in a previous processing period has undergone a change in level of maintenance. The “%” record will be displayed only and will not be processed as a removal in actuarial products of the current processing period.

“b” - Indicates that this record has been processed in the actuarial products of the current processing period.

PART 2 SUMMARY:

COND CODE - Is the condition code of the removal record (B, F, G, K, L).

REASON - Is the reason for removal code that denotes the reason for which an engine was removed.

NUMBER (NR) - Is the quantity of removals under each condition code (B, F, G, K, L) and reason for removal code.

TOTAL - Represents the total number of removals under each condition code.

Sample Format G341M

G341Q - REMOVAL AND LOSS REPORT - QUARTERLY • CDB use only

PCN: CED042NPG341.A1MQ

PURPOSE: The purpose of this TSO program is to provide data on all actuarial combinations that had removals during the reporting period or changes in level of maintenance from previous reporting quarters.

PART 1 provides a detail listing by reported engine and/or aircraft designation, condition code, reason for removal and command. Contains transaction code, reason for return to O/H, number removals, SRAN description, SRAN number, engine S/N, hours since O/H and B/M, number previous O/H and B/M, last O/H agency, date removed and record description code.

PART 2 provides a summary by condition code and/or reason for removal code, the number of removals and the total removals for each condition code.

PART 3 provides a detail listing of adjustments to removals in prior periods (similar to PART 1 except for reason for return to O/H and number of removals).

FREQUENCY: Quarterly

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GPG341BRW.Q'. For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

PART 1 DETAIL LIST:

ACTUARIAL COMBINATION - Indicates the name of the engine and/or aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.

REPORTED DESIGNATION - Indicates the actual engine and/or aircraft designation (TMSM and/or MDS) as reported.

TRANSACTION AND/OR CONDITION - A code which indicates the transaction and/or condition of an engine.

REASON FOR RETURN TO O/H - Code that indicates the reason for which an engine is returned to overhaul.

NUMBER REMOVALS - Indicates a count of removals under each different condition code (B, F, G, K, L).

REMOVAL REASON - Denotes the reason for which an engine was removed.

COMMAND - Is the common abbreviated name of a major command.

SRAN DESCRIPTION - Is the name assigned to a specific base.

SRAN - Identifies the specific base where an engine or module is located.

SERIAL NUMBER - Is a unique number assigned by the Air Force to an engine or auxiliary power unit for identification Purposes.

HOURS SINCE O/H - Indicates the time on an engine at removal since last major overhaul or since new if no major overhaul has been accomplished on the engine.

HOURS SINCE B/M - Indicates the time since last base maintenance or if the previous maintenance was a major overhaul then the time since last maintenance is set equal to zero.

NUMBER PREVIOUS O/H - The number of previous major overhauls on an engine since new.

NUMBER PREVIOUS B/M - The number of previous base maintenance on an engine since last major overhaul or since new if no major overhaul.

LAST O/H AGENCY - Indicates the SRAN that performed the last overhaul on a propulsion unit.

DATE REMOVED - The actual Julian date the engine was removed even if the level of maintenance changed at a later date.

RECORD DESCRIPTION CODE - This data is used to denote classes of actuarial data record, which are to be processed differently in actuarial programs.

"#" - indicates that a removal in the current processing period has not been confirmed by a work completed report or by a re-installation report. Removal may change to a different level of maintenance in a subsequent processing period. Record is processed in all actuarial products as a removal in the current processing period.

")" - indicates a record which initiates an adjustment to removal data of a previous period.

Two categories:

- This record has reported a change in level of maintenance for a record with a # in a previous processing period.

- The) record is displayed only and is not processed in the actuarial products of the current processing period.

“%” - indicates a record with a “#” in a previous processing period has undergone a change in level of maintenance. The “%” record will be displayed only and will not be processed as a removal in actuarial products of the current processing period.

“b” - indicates that this record has been processed in the actuarial products of the current processing period.

PART 2 SUMMARY:

COND CODE - Is the condition code of the removal record (B, F, G, K, L).

REASON - Is the reason for removal code that denotes the reason for which an engine was removed.

NUMBER (NR) - Is the quantity of removals under each condition code (B, F, G, K, L) and reason for removal code.

TOTAL - Represents the total number of removals under each condition code.

PART 3 ADJUSTMENTS TO REMOVALS IN PRIOR PERIODS:

Reference PART 1 output data description except for the following:

REASON FOR RETURN TO O/H

NUMBER OF REMOVALS

Sample Format G341Q

G352 - ACTUARIAL HISTORY DATA • CDB use only

PCN: CED042.NO352.A1TQ

PURPOSE: The purpose of this TSO program is to produce a file transfer to the client server (PACS). The product contains detailed information by TMSM for engines and modules that had an actuarial data record generated during the quarter; provides status, location, number previous overhaul and base maintenance repairs, date of last overhaul and prime ALC code. This program reads the actuarial date control record and the actuarial data record.

FREQUENCY: Quarterly

DESCRIPTION OF OUTPUT DATA ELEMENTS:

TMSM - Is a designation used to identify the general type, style, design, or category of a particular type, or group of engines having the same characteristics, and the current configuration of an engine.

SERIAL NO - is a unique number assigned by the Air Force to an engine or auxiliary power unit for identification purposes. **ACTUARIAL COMBINATION** - Indicates the name of the engine and/or aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.

CII - Configured Item Identification is the designation of an item, discrete assembly, or part for the application of the management disciplines of configuration identification, control, and status accounting.

COMMAND ABBRV - Represents the common abbreviated name of a major command.

OWNERSHIP ACCT CD - Denotes the account code to which an engine is gained from or lost to in the worldwide inventory.

SRAN BASE - Identifies the specific base where an engine or module is located.

SRAN DESCRIPTION - Indicates the name assigned to a specific base.

AIRCRAFT MDS - Indicates the mission, design, and series for aircraft, missiles, modular engines, or support equipment.

AIRCRAFT SERIAL - Is a unique number assigned to an aircraft for identification purposes.

LAST OVERHAUL

DATE OF OVERHAUL - Indicates the Julian date of the last major overhaul.

DEPOT SRAN - Identifies a specific depot repair facility where an engine was last overhauled.

NUMBER OF OVERHAULS - Indicates the number of previous major overhauls on an engine since new.

LAST BASE MAINTENANCE

ENGINE TIME SINCE OH - Is the time at the last base maintenance as of the end date. Value is zero if no base maintenance since last major overhaul or new as of the end date.

NUMBER OF BASE MTS - Indicates the number of previous base maintenance on an engine since last major overhaul or since new if no previous major overhaul.

PERIOD PROCESSED

PROC MONTH - Indicates the month in which the actuarial data records were produced.

PROC CAL YEAR - Indicates the calendar year in which the actuarial data records were produced.

BEGINNING PERIOD

DATE OF TRANS - Indicates the Julian date of the beginning TCC of the processing period.

ENGINE TIME SINCE OH - Represents the engine time since overhaul as of the beginning date of the processing period.

TCC - Denotes the TCC as of the beginning date of the processing period.

ENDING PERIOD.

DATE OF TRANS - Indicates the Julian date of the ending TCC of the processing period.

ENGINE TIME SINCE OH - Represents the engine time since overhaul as of the ending date of the processing period.

TCC - Denotes the TCC as of the ending date of the processing period.

REMOVAL REASON - Denotes the reason for which an engine was removed.

OVERHAUL RETURN REASON - Denotes the reason for which an engine is returned to overhaul.

PRIME ALC CD - Is a code used to indicate to which ALC an actuarial combination belongs.

RECORD DESCRIPTION CODE - This data is used to denote classes of actuarial data record, which are to be processed differently in actuarial programs.

“#” - indicates that a removal in the current processing period has not been confirmed by a work completed report or by a re-installation report. Removal may change to a different level of maintenance in a subsequent processing period. Record is processed in all actuarial products as a removal in the current processing period.

"") - indicates a record which initiates an adjustment to removal data of a previous period.

Two categories:

- This record has reported a change in level of maintenance for a record with a # in a previous processing period.
- The **"")** record is displayed only and is not processed in the actuarial products of the current processing period.

"%" - indicates a record with a **"#"** in a previous processing period has undergone a change in level of maintenance. The **"%"** record will be displayed only and will not be processed as a removal in actuarial products of the current processing period.

"b" - Indicates that this record has been processed in the actuarial products of the current processing period.

TYPE ACTUARIAL REMOVAL - Is used to denote different types of removals for processing in actuarial programs.

SPARE STATUS EOP - Denoted by an **"S"**. All engines which were spare as of the end date of the processing period.

INST ACT STATUS BOP - Denoted by an **"I"**. All engines which were installed active as of the begin date of the processing period.

INST ACT STATUS EOP - Denoted by an **"I"**. All engines that were installed active as of the end date of the processing period.

G370 - F100 BASE ACCOUNT PLUS DUE TIME • CDB use only

PURPOSE: This TSO program builds a data set containing F100 engine base account records plus actuarial data. G370 runs daily after file maintenance programs. All F100 engine and module records on the base account file except “2” and “6” transactions are read and the time routine is executed to compute due time. Current quarter data is placed on browse D042G actuarial products. Utility programs run at end of quarter and FTP data to SA-ALC/LPLF in support of forecasting overhaul and buy requirements.

FREQUENCY: Daily after file maintenance programs.

MEDIA: Browse data set is updated daily.

- To access this job select option “1” (View) from the “ISPF Primary Option Menu” in full TSO, enter data set name ‘CE.GP370001.EXTBACCT’.

DESCRIPTION OF OUTPUT DATA:

Refer to record layout for content and format.

Sample Format G370

G371 - SA-ALC NON-F100 BASE ACCOUNT RECORDS • CDB use only

PURPOSE: This TSO program produces and FTPs a dataset containing all base account records for engines managed at SA-ALC (prime ALC code B) except F100 engines.

FREQUENCY: Monthly about the 5th.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

Refer to the data base specifications for format of the base account record.

G400 - FORECASTING AND RATIO REPORT.

PURPOSE: This TSO program produces a browse product each month after the Operating Time "T" reports are processed. Four months of data are kept on browse. The program uses update, CE102130, history data to compute total time by tracking method and their ratios to engine operating and flying time. The report is summarized for each CII by TMS, Command and SRAN. The data is used to modify TSO program A155 and can be used to forecast parts time change and inspection requirements, E373. It can also be used by actuarial to project overhaul and replacement requirements.

FREQUENCY: Monthly.

* To access this job select option "B" from the "CEMS Technician Primary Menu". For complete system access instructions, see the Program Utilization Procedures, chapter 3-1.

FREQUENCY: Monthly.

DESCRIPTION OF OUTPUT DATA ELEMENTS:

1. All tracking methods including calculated TLCs for each CII.
2. Total time reported for each tracking method.
3. Ratio to EOT; i.e. total time divided by engine operating time.
4. Ratio to FHR; i.e. total time divided by flying hours.
5. Number of factive installed engines at end of month.
6. Daily EOT and FHR usage.

Sample Format G400

2-13 DATA BASE FORMATS

CE100 - Base Interface File - This file contains information peculiar to a base. It is used to manage input transactions from a base. IMS data base name CE100DO.

CE102 - CII/Serial Number - This file contains all information peculiar to a serialized item. In particular it contains current and historical configuration data and accountability information. IMS data base name CE102DO.

CE104 - TCTO File - This file contains all TCTOs with descriptive data and applicability. IMS data base name CE104DO.

CE100RSG - Base record. Frequency - 262

This is the root segment with the unique key of SRAN. The first section of the record contains the command assigned to the base addresses for use in passing data between the base and the CDB, and last reconciliation data. Other information in this record is mostly accumulation of transactions received from the base by transaction code or type, error statistics, and base peculiar data for engine status reporting. The basic information is stable and updated by a special program when changes occur. The accounting and status fields are updated by the appropriate input transaction or event.

Data Base Format CE100RSG - 1 (Sheet 1 of 3)

Data Base Format CE100RSG - 2 (Sheet 2 of 3)

Data Base Format CE100RSG - 3 (Sheet 3 of 3)

CE102 CII/SERIAL NUMBER FILE:

This is the principal file of D042. It contains all data related to a configured item serial number.

CE102110 - NLA

CE102120 - REMOVAL HISTORY RECORD

CE102130 - UPDATE HISTORY RECORD

CE102140 - TCTO STATUS RECORD

CE102150 - AF FORM 1534 HISTORY RECORD

CE102160 - UNTRACKED CANNIBALIZATION RECORD

CE102170 - SERIAL NUMBER LIMITS

CE102RSG - SERIAL NUMBER MASTER. Frequency - 1,220,000

This is the root segment keyed by CII and serial number. It contains specific information concerning the type, status, location, and age of the item. This record is filled with basic data when a serial number is initialized into the system then updated by transactions related to the item. Most of the data is self-explanatory. Some notes are in order. The CII will begin with a CII TYPE field which will collate the data base so that status reports can be run against an easily accessible group of records at the front of the data base. The rest of the CII will reflect engine type and configuration. The PENDING-OVERHAUL field is used to identify the reason an item has been sent to overhaul before the overhaul is accomplished. The AIRCRAFT-MDS and ENGINE-TSM are set by the last installation. The NLA-CNTS reflect the number of NLAs for each CII. It may be used to check for under or over installation without reading all NLA records. Age or TSN for items installed on an engine is kept relative to the engine. The ENGINE-SERIAL field will indicate the engine if installed. The formula for TSN is: TSN-AT-INST + ENGINE TSN -ENGINE-TSN-AT-INST. If not installed on an engine the last two fields can be considered equal so TSN-AT-INST is TSN. This is reasonable since the item can only age when installed; so for uninstalled items the TSN will become the TSN-AT-INST. The CATALOG-VALUE is the actual value reported on an update transaction. It may be used to calculate delta values or to edit. If an item is installed on an engine, the ENGINE-TSN-AT-INST must be set for the item and any lower assemblies. If an item is removed from an engine the TSN-AT-INST must be increased by the above formula for the item and all lower assemblies. This will be a variable length record. There are up to 17 different age factors allowed on a serial number. For a given engine they will be kept in corresponding subscript in the table. The catalog number will identify the parameter being tracked. Flying time will always be in the first position of the table. CE102RSG - * 20 * - AIRCRAFT-MDS is the MDS the item is installed in, if item is installed. If item is spare, AIRCRAFT-MDS applies to the last aircraft in which it was installed.

CE102120 - REMOVAL HISTORY RECORD. Frequency - 473,888

This record saves selected data at the time of a removal. It is created for each removal from transaction and root segment information. This will be a variable length record.

CE102130 - UPDATE HISTORY RECORD. Frequency - 571,560

This record is saved to audit age on an engine. Transaction data for each update is retained between reconciliations. A special record in this segment under the engine history recorder will contain the current window values or meter readings. Its key will be METER. This will be a variable length record.

CE102140 - TCTO STATUS RECORD. Frequency - 1,400,000

This record is used to chart TCTO accomplishment for the parent item. It is built by a TCTO establishment and updated by transactions reporting progress on accomplishing the TCTO.

The following data elements in this record are not currently used by the user:

<u>DATA CODE</u>	<u>EXPLANATION</u>
MODEL CODE	(FOR FUTURE USE)
* KPT	(NOT FOR USER)

* This is the first KPT on the CE102140 format.

CE102150 - AF FORM 1534 HISTORY RECORD.Frequency - 1,050,000

This record saves all data from an AF FORM 1534 transaction.

CE102160 - CANNIBALIZATION RECORD. Frequency -5,000

This record is built to suspend a cannibalization action for an untracked item until the item is replaced.

CE102170 - SERIAL NUMBER LIMITS. Frequency -16,800

This record is present whenever a limit set for an individual serial number is established to supersede the part number limit.

Data Base Format CE102RSG - 1 (Sheet 1 of 5)
 Data Base Format CE102RSG - 2 (Sheet 2 of 5)
 Data Base Format CE102RSG - 3 (Sheet 3 of 5)
 Data Base Format CE102RSG - 4 (Sheet 4 of 5)
 Data Base Format CE102RSG - 5 (Sheet 5 of 5)
 Data Base Format CE102110
 Data Base Format CE102120 - 1 (Sheet 1 of 2)
 Data Base Format CE102120 - 2 (Sheet 2 of 2)
 Data Base Format CE102130
 Data Base Format CE102140 - 1 (Sheet 1 of 2)
 Data Base Format CE102140 - 2 (Sheet 2 of 2)
 Data Base Format CE102150 - 1 (Sheet 1 of 3)
 Data Base Format CE102150 - 2 (Sheet 2 of 3)
 Data Base Format CE102150 - 3 (Sheet 3 of 3)
 Data Base Format CE102160
 Data Base Format CE102170

CE103 CONFIGURED ITEM FILE.

This file contains information related to the configured item identifier:

CE103130 - BILL OF MATERIAL PROCESSING RECORD

CE103140 - COMPLETE ASSEMBLY (NLA) COUNTS

CE103RSG - CI MASTER RECORD. Frequency - 870

This record is used to save basic data about the CII. It is updated only for configuration changes (which are expected to be rare). The information relates to NHA. Indenture level, item type, tracking level, and tracking methods.

CE103130 - BILL OF MATERIAL PROCESSING RECORD.Frequency - 25

This record describes the entire configuration for engines. All CIIs are listed in the order desired for reports. The subscripts point to the NHA and first NLA. The NEXT-TWIN is the next item with the same NHA. Zeros are used for null subscripts. The GPA refers to the serial number count. The CE103RSG, CE103110, CE103130, and CE103140 must all be updated together for engine configuration changes.

CE103140 - COMPLETE ASSEMBLY NLA COUNTS.Frequency - 150

This record shows the GPA for each dependent CI. The information duplicates the CE103130. It is used to distinguish between MDS applications and to check for over and under installation. The NLA-COUNTS reflect the total number of NLAs for the corresponding CII required for a complete assembly.

Data Base Format CE103RSG - 1 (Sheet 1 of 3)

Data Base Format CE103RSG - 2 (Sheet 2 of 3)

Data Base Format CE103RSG - 3 (Sheet 3 of 3)

Data Base Format CE103130

Data Base Format CE103140

CE104 TCTO MASTER RECORD.

This file records all current TCTOs against engines or tracked components.

CE104110 - APPLICABLE SERIAL NUMBERS**CE104RSG - TCTO MASTER RECORD.** Frequency - 500

This record identifies a TCTO with status and various requirements and dates. It is created when a TCTO is established and updated with various changes in its status.

The following data elements in this record are either not used by the user or are identified differently on output:

<u>DATA ELEMENT</u>	<u>EXPLANATION</u>
MODEL CODE	(FOR FUTURE USE)
DASH-NO	(NOT CURRENTLY USED)
TO-CAT-TYPE	(NOT FOR USER)
CA-IND	(NOT FOR USER)
MSTR-TO- TYPE	(IDENTIFIED AS TP ON OUTPUT)

CE104110 - APPLICABLE SERIAL NUMBERS.Frequency - 1,400,000

This record points to the item serial number in the CE102SRG with applicable active TCTOs.

Data Base Format CE104RSG - 1 (Sheet 1 of 4)

Data Base Format CE104RSG - 2 (Sheet 2 of 4)

Data Base Format CE104RSG - 3 (Sheet 3 of 4)

Data Base Format CE104RSG - 4 (Sheet 4 of 4)

Data Base Format CE104110

CEBAC BASE ACCOUNT FILE. This file is used to store daily transactions for monthly and higher frequency products involving daily transactions. It will be retained in chronological order and be available for various select and sort applications. One calendar month of date will be deleted after all monthly reports are complete. Thus, 15-50 days of data will be retained.

CEBAC Base Accounts Format - 1 (Sheet 1 of 3)

CEBAC Base Accounts Format - 2 (Sheet 2 of 3)

CEBAC Base Accounts Format - 3 (Sheet 3 of 3)

2-14 TERMS, ABBREVIATIONS AND ACRONYMS

ACC	Air Combat Command
ACI	Analytical Condition Inspection
ACTID	Active-Inactive Identifier
AETC	Air Education and Training Command
AEC	Authorized Exception Code
AFSOC	Air Force Special Operations Command
AFRC	Air Force Reserve Command
AFMC	Air Force Material Command
AMARC	Aerospace Maintenance and Regeneration Center
ANG	Air National Guard
ASC	Aeronautical Systems Center
AWM	Awaiting Maintenance
Batch	A product that generates an extensive amount of information (from one to infinite pages), and for which a user does not have an immediate requirement. If the information is needed immediately, a user might choose to request a usage product.
BM	Base/Maintenance
CAMS	Core Automated Maintenance System
CAT	Category of Aging an Item
CDB	Central Database
CEMS	Comprehensive Engine Management System
CFP	CEMS Forwarding Program
CII	Configured Item Identifier
CMRI	Combined Removal Intervals
CRT	Computer Remote Terminal
DDN	Defense Data Network
DISA	Defense Information Systems Agency
DoDAAC	DoD Activity Address Code
DSN	Defense Switched Network
ECP	Engineering Change Proposal
EHR	Event History Recorder
EIM	Engine Inventory Manager
ELP	Engine Load Program
ELPB	Engine Logistics Planning Board
ENMCS	Engine Not Mission Capable Status
EOJ	End of Job
EOT	Engine Operating Time
ETTR	Engine Time and Temperature Recorder
FOD	Foreign Object Damage

FHR	Flying Hour
FSC	Federal Stock Class
FTP	File Transfer Protocol
GFP	Government Furnished Property
HOW MAL	How Malfunction
IBEM	Integrated Base Engine Management ©
ID	Identification
IMS	Information Management System
JEIM	Jet Engine Intermediate Maintenance
K-P-T	Kits, Parts, and Tools
Limit	Due time when a part must be changed, inspected, or warranty expiration depending on the category code (category code is defined under “TLCC”).
LLI	Life Limiting Item
LPD	Line Printer Data
LUT	Life Usage Indicator
MOB	Air Mobility Command
MDS	Model/Design/Series
MTBR	Mean Time Between Removal
NHA	Next Higher Assembly
NLA	Next Lower Assembly
NMCS	Not Mission Capable Status
OCM	On Condition Maintenance
OFR	Official Failure Rate
OPR	Office of Primary Responsibility
PACS	Propulsion Actuarial Client Server
PCN	Product Control Number
PCS	Indicates TCTO accomplishing sequence, prior to, subsequent to, or concurrent with another TCTO.
QEC	Quick Engine Change
QPA	Quantity Per Application
SPR	Software Problem Report
SRAN	Stock Record Account Number
SRD	Standard Reporting Designator

TAC	Terminal Access Controller
TCC	Transaction Condition Code
TCN	Transportation Control Number
TCTO	Time Compliance Technical Order
TDR	Teardown Deficiency Report
TDSC	Tinker Data Services Center
TLC	Type Limit and Code. A tracking method such as FHR or EOT.
TLCC	Type Limit Code and Category. TLCC represents time change, inspection or warranty tracking. First three positions are tracking method i.e. FHR, EOT or TAC. Forth position is category as follows: Time Change = N (life limit); H (overhaul limit) and V (OCM overhaul limit); Warranty = P (performance warranty expiration); Q (quality warranty expiration) and W (warranty expiration). All others are inspections.
TMSM	Type/Model/Series and Modification
TO	Technical Order
TSN	Time Since New
TSO	Time Since Overhaul
TSOA	Time Sharing Option Application
UMMIPS	Uniform Materiel Movement and Issue Priority System
USAFE	U.S. Air Forces in Europe
WSMIS-SAV	Weapon System Management Information System Sustainability Analysis and Visibility
WUC	Work Unit Code
WW	World Wide

H9902575

Figure 3-1. A090-1 Batch File Maintenance - Daily Transaction List

[illegible]

H9902686

Figure 3-2. A090-2 Batch File Maintenance - Receive

```
Menu Utilities Compilers Help
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
BROWSE      CE.AP100001.UNDTRAN                                     Line 00000000 Col 001 132
Command ==>                                                         Scroll ==> PAGE
***** Top of Data *****
!!!!!!!!!!!!!! UNCLASSIFIED SENSITIVE !!!!!!!!!!!!!!!
CED042.NOA100.A1OD          DAILY UNIDENTIFIED TRAN LIST                                           01/21/01
                                                                    PAGE    1
                                TRANSACTIONS                      ENG ID/   TRANS   TYPE
                                                                WUC        COND       RPT
CE.AP100001.DAILYINP            CREATED ON - 2001018 AT 21150790
ERROR-MESSAGE : HEADER NOT FOUND
***** Bottom of Data *****
```

H9902797

Figure 3-3. A100-1 Daily Unidentified Transaction List

[illegible]

Figure 3-4. A100-2 Daily Processing Status List


```
Menu Utilities Compilers Help
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
BROWSE      CE.UAD.DAILYBRW                                                    Line 00000000 Col 001 132
Command ==>                                                                    Scroll ==> PAGE
*****
!!!!!!!!!!!!!! UNCLASSIFIED SENSITIVE !!!!!!!!!!!!!!!
CED042.BUA125.A1OD          DAILY TRAN REGISTER LIST                        CDB DATE/TIME: 01/21/01 / 211
```

[illegible]

Figure 3-5. A100-3A Daily Transaction Register List

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.UAD.DAILYBRW                               Line 00001304 Col 001 132
Command ==>                                           Scroll ==> PAGE
*** CHECKPOINT-ID (21170806) *****

BASE ( 9999 ) IS SET STOPPED
BASE ( 3060 ) IS SET STOPPED
BASE ( 3300 ) IS SET STOPPED
BASE ( 4448 ) IS SET STOPPED
TOTAL      TRANSACTIONS 00188
PROCESSED  TRANSACTIONS 00031
ERROR      TRANSACTIONS 00157
CEBUA125 BATCH FILE MAINTENANCE TOTALS      03MAR99 / 2116
  ERRORS    FIRST PASS  00000
  ERROR     TRANS DELETED 00000
  ERRORS    RECURRING  00000
  ERRORS    SECOND PASS  00160
  ROUTINE   TRANSACTIONS 00032
  ROUTINE   TRANS DELETED 00000
  TOTAL     TRANSACTIONS 00192
TOTAL PROCESSED TRANSACTIONS 00031
***** Bottom of Data *****

```

H9902930

Figure 3-6. A100-3B Daily Transaction Register List

```

Display Filter View Print Options Help
-----
SDSF OUTPUT DISPLAY CEPXM090 JOB06477 DSID 108 LINE 1 COLUMNS 02- 133
COMMAND INPUT ==> SCROLL ==> PAGE
CED042.NOA120.A10D DAILY TRANSACTION LIST
04/01/99
PAGE 1

TRANSACTIONS
NO DATA ON CE.AR003.AGT.DATA FOR DATE OF - 99091
NO DATA ON CE.AR003.CFM.DATA FOR DATE OF - 99091
COMMENT RECORD FROM P&W TO CEMS ON 99/04/01
9130A03032721S A
9130A04000011SABRPW0E7203661M A09012YG23Z00 9999EJ9130909001YG YG23Z00 AB
9130A04000021C6NR990901200YG23Z00PW0E7203664068700 YG23Z00 6N
9130A04000022C6NR1M A 090000000770000000150000000160000000170000000 6N
9130A04000023C6NR180000000620000000630000000710000000720000000730000000740000000 6N
9130A04000024C6NR0000000000000000000000000000000000000000000000000000000000000000 6N
9130A04000031C6PR990901200YG23Z00PW0E720366 6P
9130A04000032C6PRW 6P
9130A04000033C6PR 6P
9130A04000041C6NR990901200YG23F00PW0A0184024084758-800 YG23F00 6N
9130A04000042C6NR1M A 090000000770000000150000000160000000170000000 6N
9130A04000043C6NR180000000620000000630000000710000000720000000730000000740000000 6N
9130A04000044C6NR00000000000000000000000000000000000000000000000000000000000000 6N
9130A04000051CVAR990901200YG23F00PW0A0184024084758-800 PW0E720366 YG23F00 VA
9130A04000052CVAR1M A 090000000770000000150000000160000000170000000 VA
9130A04000053CVAR180000000620000000630000000710000000720000000730000000740000000 VA

```

H8902941

Figure 3-7. A100-4 Daily Transaction List

[illegible]

Figure 3-8. A100-5 Held and Missing Transaction Summary

CEMUA101 ALLOWABLE CONFIGURATION W/INSTALLED PARTS
 OPT: I PSWRD: CI/PN: HF10150 9550M18G01 01.057 10:37:08
 FIRST ASSEMBLY : (HF10150)
 9550M18G01 9550M58G04 9550M58G06 9550M58G07 9550M58G08
 9550M58G18 9550M58G19 9550M58G20 9550M58G09

NLA:(PF10155) 1359M35P01 1359M35P01-101 1385M24P01 1385M24P01-101
 9524M58P02

CMPT ASSEMBLY : (HF10160) 9550M19G01
 9550M19G02 9550M19G03 9550M19G04

NLA:(PF10164) 1358M46G01 1358M46G06 9528M82G01

(A)DD / (D)LET PN FROM (I)NQ"D GRP (C)REATE GRP (L)INK OR (U)NLINK GROUP (P)URG

Sample Format A101 Inquiry

H0102584

Figure 3-9. A101 Inquiry Part Number Compatibility Table

D042 PRINT LISTINGS PANEL
FOR A116 AND/OR A125

TIME - 14:34

(Y OR N) ====> A116 DAILY ACTION ITEM LISTING
(Y OR N) ====> A125 DAILY TRANSACTION REGISTER LISTING

ENTER SRANS: 1. 2.
 3. 4.
 5. 6.
 7. 8.
 9. 10.

PRESS PF3 KEY TO TERMINATE

H9902963

Figure 3-10. A126 File Maintenance Batch Reprint

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.AU212BRW.MONTHLY                               Line 00000000 Col 001 131
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****

CEBRA212 RUN 990301 004808                                MONTHLY T-REPORT ANALYSIS
PAGE      1                                         FHR/EOT CHANGE VERIFICATION
                                         CURRENT T-RPT DATE..1999059
                                         PRIOR T-RPT DATE...1999031
TECH  -----ENGINE-----
CMD  SRAN  CODE      TMSM      CII      SERIAL      MDS      SERIAL      COMBINATION      CURRENT  INCREASE  CURRENT  INCREASE
-----
0D  5587   PA      F0100229A  AF10010  PW0E720174  F015E  9100000312  F 100229A  F 15      958.7      .0      1425.0      3.2
0D  5587   PA      F0100229A  AF10010  PW0E720254  F015E  9100000312  F 100229A  F 15      618.3      .0      881.2      4.1

TOTAL T-REPORTS GENERATED      149      NUMBER WITH NO FHR INCREASE      2

0D  5612   PA      T0056007B  AT05610  AD00101643  C130E  7000001260  T  56A  7B C130      7180.4      .0
0D  5612   PA      T0056007B  AT05610  AD00101646  C130E  6800010942  T  56A  7B C130      7066.5      .0
0D  5612   PA      T0056007B  AT05610  AD00103095  C130E  6800010942  T  56A  7B C130      8940.5      .0
0D  5612   PA      T0056007B  AT05610  AD00103419  C130E  6900006583  T  56A  7B C130      4581.3      .0
0D  5612   PA      T0056007B  AT05610  AD00103448  C130E  6900006583  T  56A  7B C130      20628.1     .0
0D  5612   PA      T0056007B  AT05610  AD00104014  C130E  7000001271  T  56A  7B C130      19104.5     .0
0D  5612   PA      T0056007B  AT05610  AD00104080  C130E  6800010942  T  56A  7B C130      6925.9      .0
0D  5612   PA      T0056007B  AT05610  AD00104088  C130E  7000001260  T  56A  7B C130      14466.6     .0
0D  5612   PA      T0056007B  AT05610  AD00104284  C130E  7000001260  T  56A  7B C130      20323.2     .0
0D  5612   PA      T0056007B  AT05610  AD00104321  C130E  6900006583  T  56A  7B C130      25982.8     .0
0D  5612   PA      T0056007B  AT05610  AD00104739  C130E  6800010942  T  56A  7B C130      8411.6      .0

```

H9902576

Figure 3-11. A145 Generate Operating Time T-Reports

CEMS ENGINE PARAMETER ESTIMATES							DATE-TIME 99/03/04 10:00
ENGINE	OPT	CAT	TLC	DEC	FACTOR	VALUE	JULIAN DATE 99.063
TF34		09	EOT	1	* 01.000	3785.0	
		11	FHR	1	00.847	3205.9	
		31	T78	2	00.240	908.40	
		32	TT8	2	00.200	757.00	
		33	HSF	0	047.80	180923	
		36	EV5	0	01.050	3974	
		37	EV7	0	06.270	23732	
		38	EV8	0	05.540	20969	

Press PF1 for help press ENTER to continue press PF3 to exit

H9902587

Figure 3-12. A155 CEMS Engine Parameter Estimates

CEMUA205 ENGINE CONFIGURATION/STATUS REPORT 98.303 14:02:50 CED042.MUA205.A1SA

TRANS/COND CODE ____ CI _____ S/N _____ DATE _____ TIME _____
 TYPE REPORT _ CONDEMN FLAG _

SCREEN SWAP CODES:

2A/2B = A252, OPTION A/B

65 = A265, 75 = A275, 77 = A277

51 = A251 E3 = EA03, 95 = A295

40 = A240 41 = A241

ERROR SEQ NO _____ SRAN _____

_____	_____
_____	_____
_____	_____
_____	_____

H9902598

Figure 3-13. A205-1 Engine Configuration/Status Report

CEMUA210 GAIN/LOSS INSTALLED TRANSACTION 00.137 08:12:29 CED042.MUA210.A4SA

TRANS/COND CODE WZ CI ATF3310 S/N PW00645724

NHA DESIG KC135E NHA S/N 5700001504 TO/FROM CMD 1M TO/FROM SRAN 2039
POSITION NR 4 PART NR TF0033102 TYPE REPORT R TMSM TF0033102
ACCOUNT A ORGANIZATION A COMD CODE 1M SRAN 2039 DATE 00131 TIME 1240
TLC NOUN TSN-INST OCM OVHL TLC NOUN TSN-INST OCM OVHL
FLY TIME 40087.1 39291.0 35553.0 CYCLE/SORT 18767 18388 16381

H9902609

Figure 3-14. A205-2 Gain/Loss Installed Transaction

CEMUA210 GAIN/LOSS UNINSTALLED TRANSACTION 98.080 14:17:17 CED042.MUA210.A1SA

TRANS/COND CODE **CB** CI ATF3310 S/N PW000TEST1

SRAN 2039 COMD CODE 1M ORGANIZATION A ACCOUNT A TYPE REPORT R

TO/FROM CMD 1M TO/FROM SRAN 2039 CONTAINER TYPE TAQ6 SAP NR _____

DOCUMENT NR FJ2039509001LR PART NR TF0033102 TMSM TF0033102

DATE 96080 TIME 0800

TLC NOUN	TSN-INST	OCM	OVHL	TLC NOUN	TSN-INST	OCM	OVHL
FLY TIME	<u>.0</u>	_____	_____	CYCLE/SORT	<u>0</u>	_____	_____

H9902620

Figure 3-15. A205-3 Gain/Loss Uninstalled Transaction

CEMUA210 INSTALL RECEIPT TRANSACTION 98.081 16:35:24 CED042.MUA210.A3SA

TRANS/COND CODE RA CI ATF3310 S/N PW00645724

NHA DESIG KC135E NHA S/N 5700001504 POSITION NR 4 TYPE REPORT R

COMD CODE 1M ORGANIZATION A ACCOUNT A SRAN 2039

DATE 96081 TIME 1300

TLC NOUN	VALUE	TLC NOUN	VALUE
FLY TIME	39487.5	SORTIES	18470

H9902631

Figure 3-16. A205-4 Install Receipt Transaction

CEMUA205 ENGINE CONFIGURATION/STATUS REPORT 98.303 10:14:23 CED042.MUA205.A1SA

TRANS/COND CODE VA CI AF10010 S/N PW0E658060 DATE 98303 TIME 0800
 TYPE REPORT R CONDEMN FLAG _

ERROR SEQ NO _____ SRAN _____

SCREEN SWAP CODES:
 2A/2B = A252, OPTION A/B
 65 = A265, 75 = A275, 77 = A277
 51 = A251 E3 = EA03, 95 = A295
 _____ 40 = A240 41 = A241

H9902642

Figure 3-17. A205-5A Installation Transaction

```

CEMUA210      INSTALLATION TRANSACTION      01.310 10:13:37 CED042.MUA210.A4SA
TCC VA  CI AF11010  S/N GE0E509320  ORG D  CMD 1ME  SRAN 2029  D/T 01309 0900
NHA DESIG F016C  NHA S/N 9000000756  TO/FROM CMD      TO/FROM SRAN      ACT A
POSITION NR 1    PART NR 9521M10G01      TYPE REPORT R  TMSM
      TLC TSN-INST      OCM      OVHL      TLC TSN-INST      OCM      OVHL
11 FHR      2884.5      09 EOT      4644.6
59 LCY      2326      60 FTC      26763
61 CIC      34797      62 ABC      9847
63 ABT      69.1      65 TT1      267.8
66 TT2      189.8      67 TT3      105.1
68 TT4      50.0      69 TT5      18.4
77 IFT      .0

```

PREV TRANS/COND LB PREV SEQ NO 1000302 PREV DATE 01288 PREV TIME 0600

H9902653

Figure 3-18. A205-5B Installation Transaction

```

CEMUA210          INITIALIZATION TRANSACTION    01.310 10:22:07 CED042.MUA210.A4SA
TCC 6N  CI LF1101A  S/N XXXXXXXXXXXX  ORG  _  CMD      SRAN      D/T 01309 0900
NHA DESIG _____ NHA S/N _____ TO/FROM CMD  TO/FROM SRAN      ACT
POSITION NR      PART NR _____ TYPE REPORT R  TMSM _____
      TLC TSN-INST      OCM      OVHL      TLC TSN-INST      OCM      OVHL
11 FHR 0.0      _____ _____      09 EOT 0.0      _____ _____
59 LCY 0      _____ _____      60 FTC 0      _____ _____
61 CIC 0      _____ _____      62 ABC 0      _____ _____
63 ABT 0.0      _____ _____      65 TT1 0.0      _____ _____
66 TT2 0.0      _____ _____      67 TT3 0.0      _____ _____
68 TT4 0.0      _____ _____      69 TT5 0.0      _____ _____
77 IFT 0.0      _____ _____

```

```

PREV TRANS/COND      PREV SEQ NO      PREV DATE      PREV TIME
ENTER TARGET-TMSM IN TMSM FIELD OR  BLANK FOR DEFAULT TARGET-TMSM

```

H9902664

Figure 3-19. A205-6 Initialization Transaction

```

CEMUA211  01.310  BUILD-DISASSEMBLE MODULE/ASSEMBLY 10:27:19 CED042.MUA211.A1SA
BUILD
HF12930      SN  00GWDC296 PN 9547M28G09      SRAN 2039 DATE 01309  TIME 0900
      CI      SN      ERR      CI      SN      ERR      CI      SN      ERR
      CODE      CODE      CODE      CODE      CODE      CODE      CODE      CODE
x PF12931 00GGWF1244 - PF12932 _____ - PF12933 _____
_ PF12934 _____ _ PF12935 _____ _ PF12936 _____

```

PRESS ENTER

0 ITEMS INSTALED
H9902675

Figure 3-20. A205-7 Mass Installation


```

CEMUA211  01.310  BUILD-DISASSEMBLE MODULE/ASSEMBLY 10:24:50 CED042.MUA211.A2SA
DISASSEMBLE
HF12930      SN  00GWNDA484 PN 9547M28G09      SRAN 5205 DATE 01309  TIME 0900
      CI      SN      HOW      CI      SN      HOW      CI      SN      HOW
B PF12931 00GWNCK494 800  _ PF12932 00GWNKK339 ____ F PF12933 00GWNCR581 476
_ PF12934 00GWNDA484 ____ _ PF12935 00MDA784LK ____ _ PF12936 00MDA443MN ____

```

PRESS ENTER

6 ITEMS INSTALED

H9902687

Figure 3-21. A205-8 Mass Removal

CEMUA215 REMOVAL TRANSACTION 98.310 12:51:10 CED042.MUA215.A1SA

TRANS/COND CODE LB		CI DF10040	S/N PW0C000453	
			PART NO 4070222-803	
NHA DESIG AF10010	NHA S/N PW0E681319	REASON RETURN OVHL	ACCOUNT S	
REASON REMOVED 800	PRIME/SECOND REMOVE	TYPE REPORT R	COMD CODE 1CB	
ORGANIZATION A	SRAN 4809	DATE 98310	TIME 0800	
TLC NOUN	VALUE	TLC NOUN	VALUE	
11 FLY TIME	2970.7	09 ENG OPER T	4744.1	
15 MAN CYCLES	2291	16 LCF	17013	
17 HOT SEC 1	197.19	18 HOT SEC 2	93.93	
62 A/B CYCLE	0	63 A/B TIME	.0	
71 V-MAX TIME	.00	72 LCF (IV)	0	
73 HOT SEC 3	.00	74 HOT SEC 4	.00	
77 IN FLT T	.0			

PREV TRANS/CODE VA PREV SEQ NO 0602814 PREV DATE 98251 PREV TIME 0801

H9902698

Figure 3-22. A205-9A Removal Transaction (Serviceable Built-Up)

CEMUA215 REMOVAL TRANSACTION 98.310 12:50:03 CED042.MUA215.A1SA

TRANS/COND CODE LL		CI DF10040	S/N PW0C000453	
			PART NO 4070222-803	
NHA DESIG AF10010		NHA S/N PW0E681319	REASON RETURN OVHL	ACCOUNT S
REASON REMOVED 200		PRIME/SECOND REMOVE	TYPE REPORT R	COMD CODE 1CB
ORGANIZATION A		SRAN 4809	DATE 98310	TIME 0800
TLC NOUN		VALUE	TLC NOUN	VALUE
11 FLY TIME	2970.7	09 ENG OPER T	4744.1	
15 MAN CYCLES	2291	16 LCF	17013	
17 HOT SEC 1	197.19	18 HOT SEC 2	93.93	
62 A/B CYCLE	0	63 A/B TIME	.0	
71 V-MAX TIME	.00	72 LCF (IV)	0	
73 HOT SEC 3	.00	74 HOT SEC 4	.00	
77 IN FLT T	.0			

PREV TRANS/CODE VA PREV SEQ NO 0602814 PREV DATE 98251 PREV TIME 0801

H9902709

Figure 3-23. A205-9B Removal Transaction (Major Repair)

CEMUA215 REMOVAL TRANSACTION 01.318 16:21:50 CED042.MUA215.A1SA

TCC		LB	CI		HF10130	S/N		00GWNE5039	
NHA DESIG		AF10110	NHA S/N		GE0E470450	REASON RETURN		OVHL	
REASON REMOVED		800	PRIME/SECOND		REMOVE	TYPE REPORT		R	
ORG A		SRAN	4661	DATE	01310	TIME	0900	PART#	9550M28G26
TLC		VALUE	TLC		VALUE	TLC		VALUE	
11	FHR	3662.4	09	EOT	4766.4	59	LCY	952	
60	FTC	11223	61	CIC	15384	62	ABC	8045	
63	ABT	93.3	65	TT1	339.4	66	TT2	197.7	
67	TT3	107.0	68	TT4	43.3	69	TT5	9.2	

PREV TRANS/CODE VA PREV SEQ NO 0502129 PREV DATE 00151 PREV TIME

H9902720

Figure 3-24. A205-9C Removal Transaction (JEIM/BASE/2L Repair-Parts)

CEMUA216 UNINSTALL SHIPPED TRANSACTION 98.303 13:59:21 CED042.MUA216.A1SA

TRANS/COND CODE SB CI AF10010 S/N PW0E680600

TO/FROM CMD 1M TO/FROM SRAN 4800 CONTAINER TYPE TAPC TYPE REPORT R
REPAIR ENG S/N STOCK ORGANIZATION A SRAN 4897 ACCOUNT A
TRANS CONTROL FJ48978001 COMD CODE 1CE DATE 98302 TIME 1800

PREV TRANS/CODE LB PREV SEQ NO 0601221 PREV DATE 98302 PREV TIME 0800

H9902731

Figure 3-25. A205-10A Uninstall Shipped Transaction (Serviceable Built-Up)

CEMUA216 UNINSTALL SHIPPED TRANSACTION 98.303 10:46:53 CED042.MUA216.A1SA

TRANS/COND CODE SL CI ATF3310 S/N PW00644169

TO/FROM CMD 1M TO/FROM SRAN 2039 CONTAINER TYPE TAQ6 TYPE REPORT R
REPAIR ENG S/N ORGANIZATION C SRAN 6668 ACCOUNT R
TRANS CONTROL FJ6668812345601 COMD CODE 0M DATE 98303 TIME 0800

PREV TRANS/CODE LL PREV SEQ NO 0600095 PREV DATE 98302 PREV TIME 0800

H9902742

Figure 3-26. A205-10B Uninstall Shipped Transaction (Major Repair)

CEMUA210 AIRCRAFT ENGINE RECEIPT 01.214 10:52:30 CED042.MUA227.A4SA

TRANS/COND CODE RA MDS F015C TAIL NUMBER 7800000507
TYPE REPORT 4 DATE 01213 TIME 0800
COMMAND CODE ____ SRAN ____ ORGANIZATION _ ACCOUNT _

POS	SERIAL NO	FLY TIME
1	PW0E680928	3344.0
2	PW0E680602	4534.6

PREV TRANS/COND VA PREV SEQ NO 0800020 PREV DATE 01212 PREV TIME 0031

H9902753

Figure 3-27. A205-11 Aircraft Engine Receipt

CEMUA216 AIRCRAFT ENGINE TRANSFER 01.214 10:57:45 CED042.MUA228.A4SA

TRANS/COND CODE TA MDS F015C TAIL NUMBER 7800000507
TYPE REPORT 4 DATE 01213 TIME 0900 COMMAND CODE 1C SRAN 4808
TO/FROM COMMAND ____ TO/FROM SRAN _____ ORGANIZATION K ACCOUNT A

POS	SERIAL NO	FLY TIME
1	PW0E680928	3344.0
2	PW0E680602	4534.6

PREV TRANS/COND VA PREV SEQ NO 0800020 PREV DATE 01212 PREV TIME 0031

H9902764

Figure 3-28. A205-12 Aircraft Engine Transfer

CEMUA216 UNINSTALL TRANSFER TRANS 98.082 16:49:24 CED042.MUA216.A2SA

TRANS/COND CODE TR CI AT70010 S/N GE00307579

NHA DESIG NHA S/N TO/FROM CMD 1M TO/FROM SRAN 2199
POSITION NR TYPE REPORT R SRAN 6041 ACCOUNT L
ORGANIZATION D COMD CODE 4Z DATE 96082 TIME 0800

TRANSFER TO CLASSIFIED PROJECT NOTE: CHANGE ACCOUNT CODE TO "L"

H9902775

Figure 3-29. A205-13 Uninstall Transfer Transaction

CEMUA216 UNINSTALL RECEIPT TRANSACTION 98.303 14:04:32 CED042.MUA216.A3SA
TRANS/COND CODE RB CI AF10010 S/N PW0E680600
ORGANIZATION A ACCOUNT A SRAN 4800 TYPE REPORT R CMD CD 1C_
DOCUMENT NR FJ4897801 CONTAINER TYPE TAP6 DATE 98303 TIME 1200
PREV TRANS/CODE SB PREV SEQ NO 0601222 PREV DATE 98302 PREV TIME 1800

H9902786

Figure 3-30. A205-14A Uninstall Receipt Transaction (Built-Up)

TRANSACTION CEMUA216 UNINSTALL RECEIPT 98.082 15:08:50 CED042.MUA216.A3SA

TRANS/COND CODE RR CI AT70010 S/N GE00307579

ORGANIZATION C ACCOUNT N SRAN 6041 TYPE REPORT R CMD CD 4Z FROM CMD
DOCUMENT NR FJ6041608201HE CONTAINER TYPE 9999 DATE 96082 TIME 0800

H9902798

Figure 3-31. A205-14B Uninstall Receipt Transaction (Raw)

CEMUA220 ORGANIZATION CDE CHANGE TRANSACTION 98.303 14:19:35 CED042.MUA220.A1SA

TRANS/COND CODE 2M CI AF10010 S/N PW0E680600

ORGANIZATION B

DATE 98303 TIME 1400

PREVIOUS ORGANIZATION A

PREV TRANS/CODE NB PREV SEQ NO 0601307 PREV DATE 98303 PREV TIME 1300

H9902809

Figure 3-32. A205-15 Organization Code Change Transaction

CEMUA220 CANNIBALIZATION TRANSACTION 98.303 14:52:14 CED042.MUA220.A2SA
TRANS/COND CODE 2L CI AF10010 S/N PW0E680607
NATIONAL STOCK NO 2840007389990PL QTY 001 SRAN 2373 CMD CODE 1M_ ACCOUNT A
DATE 98303 TIME 1000

H9902820

Figure 3-33. A205-16 Cannibalization Transaction

CEMUA220	WORK STOP TRANSACTION	98.081 17:14:35 CED042.MUA220.A3SA
TRANS/COND CODE HF	CI ATF3310	S/N PW00644165
ACCOUNT A SRAN 6668	TYPE REPORT R	COMD CODE 0M ORGANIZATION C
REASON REMOVED	DOCUMENT NR	DATE 96080 TIME 1000
CONTAINER TYPE	REASON DELAY CODE_A	

H9902831

Figure 3-34. A205-17 Work Shop Transaction

CEMUA220	WORK START TRANSACTION	98.081 17:12:54 CED042.MUA220.A3SA
TRANS/COND CODE JF	CI ATF3310	S/N PW00644165
ACCOUNT R SRAN 6668 TYPE REPORT R CMD CODE 0M ORGANIZATION C		
REASON REMOVED	DOCUMENT NR	DATE 96080 TIME 0900
CONTAINER TYPE	REASON DELAY CODE	

H9902842

Figure 3-35. A205-18 Work Start Transaction

CEMUA220	NMCS TRANSACTION	98.081 17:23:52 CED042.MUA220.A3SA
TRANS/COND CODE EF	CI ATF3310	S/N PW00644165
ACCOUNT A SRAN 6668	TYPE REPORT R	COMD CODE 0M ORGANIZATION C
REASON REMOVED	DOCUMENT NR	DATE 96080 TIME 1600
CONTAINER TYPE	REASON DELAY CODE	

H9902853

Figure 3-36. A205-19 NMCS Transaction

CEMUA220 AWAIT DISPOSITION TRANSACTION 98.303 14:18:32 CED042.MUA220.A3SA

TRANS/COND CODE NB CI AF10010 S/N PW0E680600

ACCOUNT A SRAN 4800 TYPE REPORT R COMD CODE 1C ORGANIZATION A
REASON REMOVED DOCUMENT NR _____ DATE 98303 TIME 1300
CONTAINER TYPE ____ REASON DELAY CODE

PREV TRANS/CODE RB PREV SEQ NO 0601306 PREV DATE 98303 PREV TIME 1200

H9902864

Figure 3-37. A205-20 Await Disposition Transaction

CEMUA220 TEST CELL REJECT TRANSACTION 98.081 17:22:46 CED042.MUA220.A3SA
TRANS/COND CODE GF CI ATF3310 S/N PW00644165

ACCOUNT A SRAN 6668 TYPE REPORT R COMD CODE 0M ORGANIZATION C
REASON REMOVED ____ DOCUMENT NR DATE 96080 TIME 1500
CONTAINER TYPE REASON DELAY CODE

H9902875

Figure 3-38. A205-21 Test Cell Reject Transaction

CEMUA220 WORK COMPLETED TRANSACTION 01.310 10:33:01 CED042.MUA220.A4SA

TRANS/COND CODE FB CI HF12930 S/N 00GWNDC296

TO/FROM CMD REASON REMOVED TYPE REPORT ORGANIZATION F

COMD CODE 1MD ACCOUNT A SRAN 2039 TSM

DOCUMENT NR DATE 01309 TIME 0900

MDS POSITION NR

PREV TRANS/CODE LL PREV SEQ NO 1000752 PREV DATE 01274 PREV TIME 1210

H9902886

Figure 3-39. A205-22 Work Completed Transaction

CEMUA220 CHANGE IN MAINTENANCE TRANSACTION 98.081 17:10:05 CED042.MUA220.A5SA
TRANS/COND CODE MF CI ATF3310 S/N PW00644165
NHA DESIG NHA S/N POSITION NR REASON REMOVED 200
REASON RETURN OVHL ___ SRAN 6668 ACCOUNT R TYPE REPORT R
COMD CODE 0M ORGANIZATION C DATE 96080 TIME 0800

H9902897

Figure 3-40. A205-23A Change in Maintenance Transaction

CEMUA220 CHANGE IN MAINTENANCE TRANSACTION 01.310 10:30:27 CED042.MUA220.A5SA

TRANS/COND CODE MB CI HF12930 S/N 00GWNDC296

NHA DESIG NHA S/N POSITION NR REASON REMOVED **800**
REASON RETURN OVHL SRAN 2039 ACCOUNT A TYPE REPORT R
CMD CODE 1MD ORGANIZATION F DATE 01309 TIME 0900

PREV TRANS/CODE LL PREV SEQ NO 1000752 PREV DATE 01274 PREV TIME 1210

H9902909

Figure 3-41. A205-23B Change in Maintenance Transaction (Parts)

CEMUA220 CHANGE IN MAINTENANCE TRANSACTION 01.310 10:34:01 CED042.MUA220.A5SA

TRANS/COND CODE MF CI HF12930 S/N 00GWNDC297

NHA DESIG NHA S/N POSITION NR REASON REMOVED **156**

REASON RETURN OVHL SRAN 2039 ACCOUNT A TYPE REPORT R

COMD CODE 1MD ORGANIZATION F DATE 01309 TIME 0900

PREV TRANS/CODE LL PREV SEQ NO 0403296 PREV DATE 01099 PREV TIME 0555

H9902910

Figure 3-42. A205-23C Change in Maintenance Transaction

CEMUA220 WORKLOAD PROCESSING TRANSACTION 98.303 14:31:04 CED042.MUA220.A6SA

TRANS/COND CODE PL CI AF10010 S/N PW0E680637

DOCUMENT NR MEPA9F70101901 CONTAINER TYPE TAP6 ACCOUNT A SRAN 2059
TYPE REPORT R COMD CODE 1MF ORGANIZATION A DATE 98303 TIME 0800
REASON RETURN OVHL 9E

PREV TRANS/CODE RL PREV SEQ NO 0208928 PREV DATE 97057 PREV TIME 0900

H0201467

Figure 3-42.1. A205-24 Workload Processing Transaction


```

CEMUA225          INITIALIZE WINDOW VALUES 01.310 11:02:35 CED042.MUA225.A1SA

      TRANS/COND CODE 6T          CI LF1011G          S/N 00ECDL0151

NHA DESIG AF10110  NHA S/N GE0E470101  SRAN 2805  ORG A  DATE 01309  TIME 0900

      TLC      VALUE              TLC      VALUE              TLC      VALUE
09 EOT 0.0          59 LCY 0          60 FTC 0
61 CIC 0            62 ABC 0          63 ABT 0.0
65 TT1 0.0          66 TT2 0.0        67 TT3 0.0
68 TT4 0.0          69 TT5 0.0

```

H9902911

Figure 3-43. A205-25 Initialize Window Values

CEMUA225 UPDATE TRANSACTION 98.310 12:59:47 CED042.MUA225.A2SA

TRANS/COND CODE 6U

CI AF11010

S/N GE0E509112

NHA DESIG NHA S/N EXT FLIGHT IND. SRAN 6224
POSITION NR _ RECORDER S/N 00GEJ00845 DATE 98310
TIME 0800 TYPE REPORT R ORGANIZATION A

		PREVIOUS		PREVIOUS	
TLC NOUN	VALUE	WINDOW	TLC NOUN	VALUE	WINDOW
11 FLY TIME	0.0	2452.2	09 ENG OPER T	0.0	1898.6
59 LCY	0	861	60 FTC CYCLE	0	10302
61 CIC CYCLE	0	14168	62 A/B CYCLE	0	3751
63 A/B TIME	0.0	32.1	65 TAT LEV 1	0.0	108.4
66 TAT LEV 2	0.0	76.0	67 TAT LEV 3	0.0	45.9
68 TAT LEV 4	0.0	26.8	69 TAT LEV 5	0.0	13.3
77 IN FLT T	0.0	.0			

H9902912

Figure 3-44. A205-26 Update Transaction

CEMUA226 AIRCRAFT ENGINE UPDATE 98.310 13:11:23 CED042.MUA226.A2SA

TRANS/COND CODE 6H MDS F015E TAIL NUMBER 8800001693 SRAN 4852 COMMAND 1C
DATE 98310 TIME 0800 EXT. FLT. IND. _

SERIAL NO	POS	CAT	TLC	CUR VAL	UPDATE	CAT	TLC	CUR VAL	UPDATE
PW0E680102	2	11	FHR	5387.9					

H9902913

Figure 3-45. A205-27 Single Engine Update

```

CEMUA226  AIRCRAFT ENGINE UPDATE                      98.310 13:09:49 CED042.MUA226.A2SA

TRANS/COND CODE 6F MDS   F015E TAIL NUMBER 8800001693 SRAN 4852 COMMAND 1C
  DATE 98310 TIME 0800  EXT. FLT. IND.  _
SINGLE A/C UPDATE VALUE   FHR    SOR    SINGLE AIRCRAFT UPDATES DO NOT APPLY
                                   TO AUXILIARY ENGINE
  SERIAL NO  POS  CAT TLC  CUR VAL  UPDATE  CAT TLC  CUR VAL  UPDATE
PW0E719255  1    11  FHR    1663.9  _____
PW0E680102  2    11  FHR    5387.9  _____

```

H9902914

Figure 3-46. A205-28 Aircraft Update

CEMUA230

MANUAL CHANGE 01.310 11:04:07 CED042.MUA230.A1SA

TRANS/COND CODE 6X

CI LF10019

S/N AVE3RC3200

NHA DESIG AF10010 NHA S/N PW0E697406 SRAN 2373 ORG DATE 01310 TIME 0900

CAT	TLC	VALUE	CAT	TLC	VALUE	CAT	TLC	VALUE
11	FHR	_____	09	EOT	_____	15	MAN	_____
16	LCF	_____	17	HS1	_____	18	HS2	_____
62	ABC	_____	63	ABT	_____	71	VMX	_____
72	CY4	_____	73	HS3	_____	74	HS4	_____
77	IFT	_____						

H9902915

Figure 3-47. A205-29 Manual Change

```

CEMUA230      UPDATE MAINTENANCE DATA/SN LIMIT 01.320 14:37:45 CED042.MUA230.A2SA
                TCC 6P      CI  HF11B30      S/N 00GWNC6164      TYPE REPORT R
REPORT OF MAINTENANCE _ OCM _ OH _ MDS      SRAN _____ DATE 01314
TLC TSN-AT-OCM TSN-AT-OH   TLC TSN-AT-OCM TSN-AT-OH   TLC TSN-AT-OCM TSN-AT-OH

```

UPDATE SERIAL	TLCC	S/N LIMIT	TLCC	S/N LIMIT	TLCC	S/N LIMIT
NUMBER LIMIT						
—	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____

H9902916

Figure 3-48. A205-29.1 Update Maintenance Data/SN Limit

Change 1 3-48.1/(3-48.2 Blank)


```

CEMUA231          ADD/SUBTRACT TRANSACTION 01.318 16:30:31 CED042.MUA231.A1SA

      TRANS/COND CODE 6A          CI HF10130          S/N 00GWNE5039

NHA DESIG AF10110  NHA S/N GE0E470450  SRAN 4661  ORG A  DATE 01310  TIME 0900

      TLC  CUR VAL      VALUE      TLC  CUR VAL      VALUE      TLC  CUR VAL      VALUE
11 FHR    3662.4  _____  09 EOT    4766.4  _____  59 LCY          952  _____
60 FTC     11223  _____  61 CIC     15384  _____  62 ABC          8045  _____
63 ABT      93.3  _____  65 TT1     339.4  _____  66 TT2         197.7  _____
67 TT3     107.0  _____  68 TT4       43.3  _____  69 TT5           9.2  _____

```

H9902917

Figure 3-49. A205-31 Add Transaction

CEMUA231 ADD/SUBTRACT TRANSACTION 01.310 11:06:38 CED042.MUA231.A1SA

TRANS/COND CODE 6S

CI LF10019

S/N AVE3RC3200

NHA DESIG AF10010 NHA S/N PW0E697406 SRAN 2373 ORG DATE 01310 TIME 0900

TLC	CUR VAL	VALUE	TLC	CUR VAL	VALUE	TLC	CUR VAL	VALUE
11 FHR	1862.7	_____	09 EOT	4745.5	_____	15 MAN	1557	_____
16 LCF	11086	_____	17 HS1	94.18	_____	18 HS2	2.95	_____
62 ABC	0	_____	63 ABT	.0	_____	71 VMX	.00	_____
72 CY4	0	_____	73 HS3	.00	_____	74 HS4	.00	_____
77 IFT	.0	_____						

H9902918

Figure 3-50. A205-32 Subtract Transaction

CEMUA231 ENGINE ID CHANGE 98.310 13:38:58 CED042.MUA231.A2SA

CI DF10040 S/N PW0C000453

 SRAN 4809 DATE 98310 TIME 1200

OLD ENGINE-ID X5 WUC 23B00 PART # 4070222-803

 NEW ENGINE-ID x5

H9902920

Figure 3-51. A205-33 Engine ID Change

CEMUA223 MASS INITIALIZATION TRANS 98.310 13:40:03 CED042.MUA223.A1SA

TRANS/COND CODE 6I CI LF11011 ENGINE-ID xy

MDS f016c PART NR 7117m10g08_____ SRAN 2039 ORG a

S/N	S/N	S/N	S/N
1111111111	2222222222	3333333333	4444444444
0000000011	0000000022	0000000033	0000000044
1100000000	2200000000	3300000000	4400000000
0011000000	0022000000	0033000000	0044000000
1100000011	2200000022	3300000033	4400000044

H8902921

Figure 3-52. A205-34 Mass Initialization Transaction

CEMUA231 UPDATE F108 EXHAUST GAS TEMP 00.125 10:06:27 CED042.MUA231.A1SA

TRANS/COND CODE 6W CI AF10810 S/N CF0E712130

NHA DESIG KC135R NHA S/N 5700001488 SRAN 4659 ORG A DATE 00122 TIME 0800

TLC NOUN EGT VALUE

92 EX GAS TEM 500

H0000853

Figure 3-53. A205-35 Update F108 Exhaust Gas Temp

CEMUA222	ENGINE LOCATION/REPRESERVATION UPDATE	PCN: D042.MUA222.A1SA
		11/02/98 1514
OPTION I	CII ATF3010	SN PW00675683
I INQUIRY	REPRESERVATION CODE	H01
A ESTABLISH	STORAGE LOCATION	1140P18
C CHANGE	DATE OF ACTION	98194
R REPORT INSPECTION		
	TYPE CONTAINER	TAHW
	TMSM	TF0030107
	TRANS COND CD	NR
	SRAN	2039
	COMMAND	1MD
	OWNING ORGANIZATION	E

H9902922

Figure 3-54. A222 Engine Loading Location and/or Represervation Update

PROGRAM CEMUA238 11/02/98 1523

PCN: CED042.MUA238.A1SA

TRAN: I STOCK LEVEL UPDATE PROGRAM

PASSWORD:	ENGINE ID:	LR
	WUC:	23000

TMSM: TF0033102

ECONOMIC RETENTION STOCK:	0000
CONTINGENCY RETENTION STOCK:	0000
NUMERIC RETENTION STOCK:	0000
POTENTIAL DOD EXCESS STOCK:	0000

H9902923

Figure 3-55. A238 Stock Level Update Table

CEMUA240

TCTO UPDATE

00.262 15:08:19 CED042.MUA240.A1SA

CII: AF10010 DATA CODE: 0214742 STATUS CODE: 01 STATUS DATE: 00261

ACC SRAN: 6251 ACC CMD: 4Z_ ACT MANHRS: 00400 REVERSAL: _ (P)ASS/(F)AIL: P

WORK CENTER: _____ W/O NUMBER: _____ ACCOMP BY DATE: _____

S/N: PW0E680069 S/N: _____ S/N: _____ S/N: _____ S/N: _____

S/N: _____ S/N: _____ S/N: _____ S/N: _____ S/N: _____

S/N: _____ S/N: _____ S/N: _____ S/N: _____ S/N: _____

S/N: _____ S/N: _____ S/N: _____ S/N: _____ S/N: _____

S/N: _____ S/N: _____ S/N: _____ S/N: _____ S/N: _____

REVERSAL: H=A205 L=A241 G=A251 A/B=252A/B J=A265 N=A275 K=A277 P=A295 E=EA03

PROCESSING COMPLETE

H9902924

Figure 3-56. A240 TCTO Update

CEMUA241 16:00:27 TCTO UPDATE BY SERIAL NUMBER 00.262 CED042.MUA241.A1SA

MDS: F015A PN: 4075200 PAGE: 01

CII: AF10010 SERIAL NUMBER: PW0E680069 SRAN: 6251

OPT: A (A)LL, (C)LSD, (O)PN FUNCT: (L)IST, (P)ROC, (F)WD, (B)CK, (T)OP, (S)USP

SEL	REV	PASS	TCTO	STATUS	STATUS	MAN	OLD	NEW
IND	IND	FAIL	NUMBER	CODE	DATE	HOURS	PART NUMBER	PART NUMBER
			2J-F100-749	03	90036	00000	4045100	4074200
			2J-F100-765	01	90032	00240	4045100	4074200
	P		2J-F100-811	03	00261	00400	4069100	4075200
			2J-F100-833	01	92072	00000	4074200	
			2J-F100-840	01	94019	00000	4074200	
			2J-F100-811D	16	96116	00000	4074200	4075300
			2J-F100-867	16	99004	00000	4074200	4075200
			2J-F100-909	01	97223	31500	4074200	
			2J-F100-911	01	97063	00000	4074200	
			2J-F100-909C	03	97223	10000	4074200	

U X IF TCTO IS REVERSAL.

USE OPT: FOR H=A205 S=A240 G=A251 I=A252 J=A265 N=A275 K=A277 P=A295 E=EA03

ENTER U IN SEL COL ON LINES TO UPDATE

MORE DATA TO FOLLOW

H9902925

Figure 3-57. A241 TCTO Update by Serial Number

CEMUA245 _____ 99.063 13:07:55 CED042.MUA245.A1SA

SRAN _____ SEQUENCE CONTROL # _____ M FUNCTION _
SUBSYS ID _ TRANS/COND CODE _ TYPE REPORT _

AVAILABLE FUNCTIONS:

- A) INQUIRE INTO THE MMICS INPUT HOLD RECORD
- B) ESTABLISH A MMICS INPUT HOLD RECORD
- C) INQUIRE/CORRECT ERROR STATISTICS RECORD
- D) INQUIRE INTO THE MMICS ERROR HOLD RECORD
- E) ESTABLISH A MMICS ERROR HOLD RECORD
- F) CORRECT A MMICS ERROR HOLD RECORD
- G) MOVE A ERROR HOLD RECORD TO ERROR STAT RECORD
- H) MOVE A RANGE OF ERRORS TO ERROR STAT RECORD

G FUNCTION ONLY. CHARGEABLE ERROR _

H9902926

Figure 3-58. A245-1 Error Correction Menu

```

CEMUA245          CAMS  INPUT INQUIRY          99.063 13:14:12 CED042.MUA245.A2SA

      SRAN 9432          SEQUENCE CONTROL # 0200001 M          FUNCTION A
      SUBSYS ID C          TRANS/COND CODE 6N          TYPE REPORT R

ENG ID PM    WUC 23Z00    S/N GE0E537133    DATE 99057    UNIT ID A    CARD # 3

      COMMAND _____ AIRCRAFT MDS _____ PART # 9545M10G01_____
      OWNING ORG _    ENG POS _    HOW MAL _____ OVHL RET REASON ____
      TIME 1200    MISSION PROFILE _____ OPER MODE _    NHA _____
      SRAN BASE 9432    TRANS SEQ # 0200001    CORRECTION SEQ. # _____

CAT-NO      VALUE      CAT-NO      VALUE      CAT-NO      VALUE
  09      0007005      11      0003733      59      0000100
  60      0000779      00      0000000      00      0000000
  00      0000000      65      0000181      66      0000059
  67      0000006      68      0000000      69      0000000
  ____      _____      ____      _____      ____      _____
  ____      _____      ____      _____      ____      _____
DATE SENT 99059          PROCESS FLAG _

```

H9902927

Figure 3-59. A245-2 Inquire Batch Input Hold Record

CEMUA245 ERROR CORRECTIONS 99.063 13:08:37 CED042.MUA245.A2SA

SRAN 9130 SEQUENCE CONTROL # 0201641 M FUNCTION B
SUBSYS ID C TRANS/COND CODE LB TYPE REPORT R

ENG ID YG WUC 23FAN S/N 0AVH3A1003 DATE 99039 UNIT ID A CARD # 4

COMMAND 1M_ AIRCRAFT MDS _____ PART # 442021-4 _____
OWNING ORG A ENG POS _ HOW MAL _____ OVHL RET REASON ____
TIME 1200 MISSION PROFILE _____ OPER MODE _ NHA PW0E712022
SRAN BASE 9130 TRANS SEQ # 0201641 CORRECTION SEQ. # _____

CAT-NO	VALUE	CAT-NO	VALUE	CAT-NO	VALUE
09	0000000	77	0000000	15	0000000
16	0000000	17	0000000	18	0000000
62	0000000	63	0000000	71	0000000
72	0000000	73	0000000	74	0000000
00	0000000	00	0000000	00	0000000
00	0000000	00	0000000		

DATE SENT 99041

TRANS ERRORS 103 _____ TERMINAL ID _____ CORRECT CD S

DATE OF ERR 99041 DATE ERR SHIPPED _____ DATE ERR RETURNED _____

H9902928

Figure 3-60. A245-3A Establish Input Hold Record

CEMUA245 ESTABLISH INPUT HOLD REC 99.063 13:24:07 CED042.MUA245.A3SA

 SRAN 9130 SEQUENCE CONTROL # 0300015 M FUNCTION B
 SUBSYS ID S TRANS/COND CODE SB TYPE REPORT R

ENG ID PK WUC 99999 S/N PW0E170256 DATE 05712 UNIT ID A CARD # 1

ENG POS _ OWNER ACCT CD A TCN EJ9130905704PK_

TYPE MDS _ CYCLE COUNT _ TYPE CONTAINER 9999

COMMAND 1M_ REMOVAL REASON _ REP ENG SN STOCK_

OWNING ORG _ ENG/FLY TIME _ END ITEM S/N _

SAP _ OVHL RET REASON _ DOCUMENT # _

A/C MDS _ TO/FROM COMMAND 1M TO/FROM SRAN 7418

DATE SENT 99060 SRAN BASE 9130 TRANS SEQ # 0300015 PROCESS FLAG _

SEQ. # 0300015 ESTABLISHED ON 110

H9902929

Figure 3-61. A245-3B Establish Input Hold Record

CEMUA245 CAMS ERROR INQUIRY 99.063 13:29:38 CED042.MUA245.A2SA

 SRAN 9130 SEQUENCE CONTROL # 0201241 M FUNCTION D
 SUBSYS ID C TRANS/COND CODE 6N TYPE REPORT R

ENG ID YG WUC 23FAN S/N 0AVH3A1003 DATE 99039 UNIT ID A CARD # 4

 COMMAND 1M_ AIRCRAFT MDS _____ PART # 442021-4_____
 OWNING ORG A ENG POS _ HOW MAL _____ OVHL RET REASON ____
 TIME 1200 MISSION PROFILE _____ OPER MODE _ NHA _____
 SRAN BASE 9130 TRANS SEQ # 0201241 CORRECTION SEQ. # _____

CAT-NO	VALUE	CAT-NO	VALUE	CAT-NO	VALUE
09	0000000	77	0000000	15	0000000
16	0000000	17	0000000	18	0000000
62	0000000	63	0000000	71	0000000
72	0000000	73	0000000	74	0000000
00	0000000	00	0000000	00	0000000
00	0000000	00	0000000		

DATE SENT 99041

TRANS ERRORS 103 _____ TERMINAL ID _____ CORRECT CD S

DATE OF ERR 99041 DATE ERR SHIPPED _____ DATE ERR RETURNED _____

H9902931

Figure 3-62. A245-4 Inquire Into Batch Error Hold Record

CEMUA245 ESTABLISH ERROR HOLD REC 99.063 13:38:32 CED042.MUA245.A2SA

SRAN 9130 SEQUENCE CONTROL # 0300111 M FUNCTION E
 SUBSYS ID C TRANS/COND CODE 6N TYPE REPORT R

ENG ID X1 WUC 23HAF S/N 00VAA31333 DATE 99060 UNIT ID A CARD # 3

COMMAND _____ AIRCRAFT MDS _____ PART # 441243-4 _____
 OWNING ORG A ENG POS _____ HOW MAL _____ OVHL RET REASON _____
 TIME 0900 MISSION PROFILE _____ OPER MODE _____ NHA _____
 SRAN BASE 9130 TRANS SEQ # 0300111 CORRECTION SEQ. # 0300111

CAT-NO	VALUE	CAT-NO	VALUE	CAT-NO	VALUE
11	0000000	08	0000000	09	0000000
15	0000000	16	0000000	17	0000000
18	0000000	00	0000000	00	0000000
00	0000000	00	0000000	00	0000000
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

DATE SENT _____

CORRECT CD M

DATE OF ERR _____ DATE ERR SHIPPED _____ DATE ERR RETURNED _____
 SEQ. # 0300111M ESTABLISHED ON 120

H9902932

Figure 3-63. A245-5 Establish Batch Error Hold Record

CEMUA245 CORRECTED ERROR HOLD REC 99.069 13:40:03 CED042.MUA245.A2SA

SRAN 9432 SEQUENCE CONTROL # 0100004 M FUNCTION F
 SUBSYS ID C TRANS/COND CODE 6N TYPE REPORT R

ENG ID XZ WUC 27GHG S/N 00APMYC005 DATE 99004 UNIT ID A CARD # 4

COMMAND _____ AIRCRAFT MDS _____ PART # 1377M72P14 _____
 OWNING ORG _____ ENG POS _____ HOW MAL _____ OVHL RET REASON _____
 TIME 1200 MISSION PROFILE _____ OPER MODE _____ NHA _____
 SRAN BASE 9432 TRANS SEQ # 0100004 CORRECTION SEQ. # _____

CAT-NO	VALUE	CAT-NO	VALUE	CAT-NO	VALUE
09	0000000	11	0000000	59	0000000
60	0000000	61	0000000	62	0000000
63	0000000	65	0000000	66	0000000
67	0000000	68	0000000	69	0000000
77	0000000	00	0000000	00	0000000
00	0000000	00	0000000		

DATE SENT 99004

TRANS ERRORS 103 _____ TERMINAL ID CEPXM _____ CORRECT CD C

DATE OF ERR 99004 DATE ERR SHIPPED _____ DATE ERR RETURNED _____

SEQ. # 0100004M HAS BEEN CORRECTED

H9902933

Figure 3-64. A245-6 Correct Batch Error Hold Record

CEMUA245 __MOVE_RANGE_OF_ERRORS__ 99.063 13:32:35 CED042.MUA245.A7SA

SRAN 9130 BEGINNING SEQ # 0900956 M FUNCTION H

ENDING SEQ # 0900989 M

INSTRUCTIONS:

ENTER BEGINNING SEQ #

ENTER ENDING SEQ #

ENTER PASSWORD

ATTENTION!!!

BE SURE TO ENTER THE CORRECT SUFFIX FOR BEGINNING AND ENDING SEQ #

0900956M THRU 0900989M MOVED
FROM CE100120 ERROR FILE
TO CE100140 FILE

SOME SEQUENCE NUMBERS NOT FOUND

THERE WERE 13 TRANSACTIONS MOVED

H9902935

Figure 3-66. A245-8 Move a Range of Errors

```

CEMUA250          PROCESSING STATUS    98.310 14:04:34 PCN:CED042.MUA250.A1SA

SRAN 9130   OPTION 1   PASSWORD          PWA-MFG. DIVISI   LAST RCVD 1998253

OPTION: 1 LIST SEQUENCE NUMBER RANGES          TRANSMISSION METHOD: P
2 BASE STATUS
3 BASE STATUS REVISION          STOP CODE _____
    LAST-SEQUENCE-PROCESSED _____ CURRENT SEQ          A-CD
    LAST-SEQUENCE-TO-PROCESS _____ PREVIOUS SEQ        A-CD
4 DELETE TRANSACTIONS          THRU _____

    LAST-SEQ-PROCESSED 0601071          AVAILABLE          MISSING
    LAST-SEQ-TO-PROCESS 0601071
    STOP CODE
    CURRENT SEQUENCE NO 0601071
    CURRENT A-CODE
    PREVIOUS SEQUENCE 0501407
    PREVIOUS A-CODE Y

NO SEQUENCE NUMBERS AVAILABLE

```

H9902936

Figure 3-67. A250-1 Processing Status (Option 1)

```

CEMUA250          PROCESSING STATUS    98.310 14:05:41 PCN:CED042.MUA250.A1SA

SRAN 9130   OPTION 2   PASSWORD          PWA-MFG. DIVISI   LAST RCVD 1998253

OPTION: 1 LIST SEQUENCE NUMBER RANGES          TRANSMISSION METHOD: P
        2 BASE STATUS
        3 BASE STATUS REVISION                  STOP CODE STOP
          LAST-SEQUENCE-PROCESSED _____ CURRENT SEQ      A-CD
          LAST-SEQUENCE-TO-PROCESS _____ PREVIOUS SEQ     A-CD
        4 DELETE TRANSACTIONS    0601071 THRU 0601071

        LAST-SEQ-PROCESSED 0601071          AVAILABLE          MISSING
        LAST-SEQ-TO-PROCESS 0601071
          STOP CODE
        CURRENT SEQUENCE NO 0601071
        CURRENT A-CODE
        PREVIOUS SEQUENCE 0501407
        PREVIOUS A-CODE Y

NO SEQUENCE NUMBERS AVAILABLE

```

H9902937

Figure 3-68. A250-2 Processing Status (Option 2)

```

CEMUA250          PROCESSING STATUS    98.310 14:04:43 PCN:CED042.MUA250.A1SA

  SRAN 9130   OPTION 3   PASSWORD      PWA-MFG. DIVISI   LAST RCVD 1998253

OPTION: 1 LIST SEQUENCE NUMBER RANGES          TRANSMISSION METHOD: P
  2 BASE STATUS
  3 BASE STATUS REVISION                      STOP CODE _____
      LAST-SEQUENCE-PROCESSED 0601071  CURRENT  SEQ 0601071  A-CD  n
      LAST-SEQUENCE-TO-PROCESS 0601071  PREVIOUS SEQ 0501407  A-CD  y
  4 DELETE TRANSACTIONS      _____  THRU  _____

      LAST-SEQ-PROCESSED 0601071
      LAST-SEQ-TO-PROCESS 0601071
      STOP CODE
      CURRENT SEQUENCE NO 0601071
      CURRENT A-CODE
      PREVIOUS SEQUENCE 0501407
      PREVIOUS A-CODE Y

```

H9902938

Figure 3-69. A250-3 Processing Status (Option 3)

```

CEMUA250          PROCESSING STATUS    98.316 13:30:00 PCN: CED042.MUA250.A1SA

SRAN 6501   OPTION 4   PASSWORD          ANG-WY-CHEYENNE    LAST RCVD 1998176

OPTION: 1 LIST SEQUENCE NUMBER RANGES          TRANSMISSION METHOD: M
      2 BASE STATUS
      3 BASE STATUS REVISION          STOP CODE _____
          LAST-SEQUENCE-PROCESSED _____ CURRENT SEQ          A-CD
          LAST-SEQUENCE-TO-PROCESS _____ PREVIOUS SEQ        A-CD
      4 DELETE TRANSACTIONS          0800001 THRU 0800001

      LAST-SEQ-PROCESSED 0800069          AVAILABLE          MISSING
      LAST-SEQ-TO-PROCESS 0800069          -          0800070 - 0800000
          STOP CODE RRAN          0800001 - 0800001
      CURRENT SEQUENCE NO 0800069
      CURRENT A-CODE
      PREVIOUS SEQUENCE 0700001
      PREVIOUS A-CODE Y

```

H9902939

Figure 3-70. A250-4 Processing Status (Option 4)

PROGRAM CEMRA251 04/16/99 1010 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

SEG G/E	KEY	KEY FEEDBACK
ROOT SEGMENT CE 100 RSG E 4852		4852
SECOND LEVEL		19990831800
SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275 K=A277 E=EA03		
REQUESTED DATA		

				TRANSMISSION	LAST
SRAN	DESCRIPTION	LAST PROCESSED	LAST-TO-PROCESS	STOP	METHOD
4852	NELLIS 57 FW	1200141	1200141		C
					1999106

CURRENT TP FIELDS	PREVIOUS TP FIELDS	T-REPORTS	TECHNICIAN
04011220112200000	03022250222500000	151	PA TRACY ELLIOTT/CETAE

MONTH	SEQ-NO	A-CODE	4-TYPE	C-TYPE	D-TYPE	V-TYPE	CORRECTIONS	RECON	NULL	LTRS
CURRENT	0000000		0	0	0	0	0	0	6	0
PREVIOUS	0302225	Y	0	0	0	0	0	0	26	0

H9902940

Figure 3-71. A251-1 Base Report (SRAN-Base)

PROGRAM CEMRA251 04/16/99 1010 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

	SEG G/E	KEY	KEY FEEDBACK
ROOT SEGMENT CE 102 RSG	E	AF10010PW0E712013	AF10010PW0E7120131999
SECOND LEVEL	120	E 19990831800	19990831800
SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275 K=A277 E=EA03			
REQUESTED DATA			
CII	SER-NO	SEG-LTH	PART-NUMBER
AF10010	PW0E712013	283	4067220
	DAY-TIME-REM	REM-REAS	INST-DT
	1999083	1800	868
	OV-REAS	NTM	
	1998296		13

SRAN CMD	TRAN-COND	SEQ-NO	TYPE-REPORT	NHA-CI	NHA-SERIAL	NHA-PART-NUMBER	NHA-DES
5000 OR	LB	0301763	R	F015C	8500000118		F015C
CATALOG NUMBERS		11	09	15	16	17	18
TSN AT INSTALL		25323	35566	1579	15417	33285	231
TSN AT REMOVAL		26536	37277	1658	15999	34176	231
NHA AT REMOVAL		26536	37277	1658	15999	34176	231
CATALOG NUMBERS		62	63	71	72	73	74
TSN AT INSTALL		12570	984	7	34922	37290	20428
TSN AT REMOVAL		13904	1061	7	36123	38630	20890
NHA AT REMOVAL		13904	1061	7	36123	38630	20890
CATALOG NUMBERS		77	FF				
TSN AT INSTALL		22145	****	****	****	****	****
TSN AT REMOVAL		23109	****	****	****	****	****
NHA AT REMOVAL		23109	****	****	****	****	****

H9902943

Figure 3-73. A251-3 Removal History (Day-Removed, Time-Removed)

PROGRAM CEMRA251 04/16/99 1009 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

	SEG	G/E	KEY	KEY FEEDBACK
ROOT SEGMENT	CE 102	RSG	E AF10010PW0E712013	AF10010PW0E7120130149
SECOND LEVEL	130	E	01492	01492
SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275 K=A277 E=EA03				
REQUESTED DATA				

CII	SER-NO	UPDATE-KEY	SEG-LTH	PROC-DATE	DAY-TIME-TRAN	SRAN	ORG	CMD	NTM
AF10010	PW0E712013	01492	164	1999096	1999093 1339	5000	A	OR	13

AIRCRAFT-MDS-SERIAL	EHR-SN	TRAN	TR	SEQ-NO	FGTC	POS	MISS-PROFILE	TERMINAL-ID
F015C 85000000110	00AEDU0874	6U		0400436		2	Y	CERHH

CATALOG NUMBERS	11	09	15	16	17	18
CATALOG VALUES	31	1999	95	737	1059	0

CATALOG NUMBERS	62	63	71	72	73	74
CATALOG VALUES	1443	88	0	1553	1708	538

CATALOG NUMBERS	77	FF				
CATALOG VALUES	1137	****	****	****	****	****

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Figure 3-74. A251-4 Update History (Update Key)

PROGRAM CEMRA251 04/16/99 1534 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

SEG	G/E	KEY	KEY FEEDBACK
ROOT SEGMENT	CE	102 RSG E	AF10010PW0E712013 AF10010PW0E7120130214
SECOND LEVEL		140 E	0214591 0214591
SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275 K=A277 E=EA03			
REQUESTED DATA			

CII	SER NO	DATA-CD	ST-CD	ST-DATE	PR-CD	PR-DATE	CMD	SRAN	MANHRS	EST-HRS
AF10010	PW0E712013	0214591	01	1992332	17	1992328	1C	4808	00020	00030

NEW-PART-NUMBER	OLD-PART-NUMBER	KPT	SAFE	LEVEL	TYPE	TCTO NUMBER	ACC	KLD
	4067220	Y	N	C	8	2J-F100-804		6

KPT DATE-RECD	CAT	STRUCT	TP-SER	TERMINAL-ID	TP	AEC	SEQ-NO	BMP	RET-FLAG
YYN		N	1200045	CESKF			1104215	*	

WORK-CENTER	WORK-ORDER-NO	WHEN-TO-ACCMPL-DATE
K1201	3290107	

H9902945

Figure 3-75. A251-5 TCTO Status (TCTO-Data-Code)

PROGRAM CEMRA251 03/01/99 1402 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

SEG G/E KEY KEY FEEDBACK
 ROOT SEGMENT CE 102 RSG E AF10010PW0E680609 AF10010PW0E6806091995
 SECOND LEVEL 150 G 199521908000930
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275 K=A277 E=EA03
 REQUESTED DATA

CII SER-NO DATE SEQ-NO CD SRAN UNIT CARD SUBS TRAN-COND TYPE-RPT
 AF10010 PW0E680609 1995219 0800093 0 6251 S JF R

CMD ORG ACCT ENG-ID-WUC SERIAL-NO VARIABLE FIELDS
 4Z Z N X623Z00 PW0E680609

TIME DATE LOC NHA-DES PREV-DATE-SEQ PREV-TR-CD PREV-ACT PC1 PC2 TERMID
 0700 95219 C F015A 95206 RETIRE 0 HF N CEKAK

H9902946

Figure 3-76. A251-6 1534 History (Julian-Date, Seq-Mo-Code, Seq-No)

PROGRAM CEMRA251 04/19/99 1458 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

	SEG G/E	KEY	KEY FEEDBACK
ROOT SEGMENT CE 102	RSG E	AF10010PW0E680133	AF10010PW0E6801332915
SECOND LEVEL	160 G		2915009746685RT
SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275 K=A277 E=EA03			
REQUESTED DATA			

CII	SER-NO	NAT-STOCK-NO	SRAN CMD	OWNER-ACCT	TRANS-DATE	SEQNO	QTY
AF10010	PW0E680133	2915009746685RT	2059 1M	A	1999108	0101141	001

H9902947

Figure 3-77. A251-7 Untracked Cannibalization (NSN)

PROGRAM CEMRA251 04/16/99 1552 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

	SEG	G/E	KEY	KEY FEEDBACK
ROOT SEGMENT	CE 102	RSG	E DF10040PW0C010411	DF10040PW0C01041108CC
SECOND LEVEL		170	G	08CCYV
SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275 K=A277 E=EA03				
REQUESTED DATA				

CII	SER-NO	CAT	TLC	C	LIMIT	DATE	K-FACTOR
DF10040	PW0C010411	08	CCY	V	0007868	1998210	0.250

H9902948

Figure 3-78. A251-8 S/N Limits (Catalog-No., TLC, Category)

```

PROGRAM CEMRA251  04/16/99 1303 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                SEG G/E    KEY                                KEY FEEDBACK
ROOT SEGMENT CE 103 RSG  E AF10010                          AF10010  F0100100
SECOND LEVEL                                           F0100100
  SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA
AF10010F100 ENGINE, TURBOFAN                23Z00          2014ELF1001RB11FHR0050000
5000050009EOT0010000010000000015MAN0001000001000000016LCF0010000010000000017HS1009980
000000000018HS2009980000000000062ABC002000000000000063ABT000100000000000071VMX00100
0000000000072CY40010000010000000073HS3009980000000000074HS4009980000000000077IFT0010
000000000000
                13125000L00000{00000{00000{00000{00000{00000{00000{00000{

```

H9902949

Figure 3-79. A251-9 CII Master Record (CII)

PROGRAM CEMRA251 04/16/99 1303 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

	SEG G/E	KEY	KEY FEEDBACK
ROOT SEGMENT CE 103 RSG	E	AF10010	AF10010 F0100100
SECOND LEVEL	130 E	F0100100	F0100100
SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275 K=A277 E=EA03			

REQUESTED DATA

CII: AF10010					TSM: F0100100					BOMP TABLE				
POS	CII	NT	NLANHAQPA		POS	CII	NT	NLANHAQPA		POS	CII	NT	NLANHAQPA	
1	AF10010	0	2 0 1		2	LF10011	3	0 1 1		3	LF10012	4	0 1 1	
4	LF10014	5	0 1 1		5	LF10015	6	0 1 1		6	LF10017	7	0 1 1	
7	LF10018	8	0 1 1		8	LF10019	9	0 1 2		9	LF1001A	10	0 1 1	
10	LF1001B	11	0 1 1		11	LF1001C	12	0 1 1		12	LF1001D	13	0 1 1	
13	LF1001E	14	0 1 1		14	LF1001F	15	0 1 1		15	LF1001G	16	0 1 1	
16	LF1001J	17	0 1 1		17	LF1001K	18	0 1 1		18	LF1001L	19	0 1 1	
19	LF1001M	20	0 1 1		20	LF1001R	21	0 1 1		21	DF10030	33	22 1 1	
22	PF10031	23	0 21 1		23	PF10032	24	0 21 1		24	PF10033	25	0 21 1	
25	PF10034	26	0 21 1		26	PF10035	27	0 21 1		27	PF10036	28	0 21 1	
28	PF10037	29	0 21 1		29	PF10038	30	0 21 1		30	PF10039	31	0 21 1	
31	PF1003A	32	0 21 1		32	PF1003B	0	0 21 1		33	DF10040	65	34 1 1	
34	PF10041	35	0 33 1		35	PF10042	36	0 33 1		36	PF10043	37	0 33 1	
37	PF10044	38	0 33 1		38	PF10045	39	0 33 1		39	PF10046	40	0 33 1	
40	PF10047	41	0 33 1		41	PF10048	42	0 33 1		42	PF10049	43	0 33 1	
43	PF1004A	44	0 33 1		44	PF1004B	45	0 33 1		45	PF1004C	46	0 33 1	

H9902950

Figure 3-80. A251-10 Bill of Material Processing Record (TSM)

PROGRAM CEMRA251 04/16/99 1301 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

	SEG G/E	KEY	KEY FEEDBACK
ROOT SEGMENT CE 103 RSG	E	AF10010	AF10010 F0100100
SECOND LEVEL	140	G	F0100100
SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275 K=A277 E=EA03			
REQUESTED DATA			

CII	TMSM	ENG-ID	BOMP-SUB	NLA-MASK-SUB
AF10010	F0100100	X1	1	0

NLA-MASK

POS	CII	QPA	POS	CII	QPA	POS	CII	QPA	POS	CII	QPA	POS	CII	QPA
1	LF10011	1	2	LF10012	1	3	LF10014	1	4	LF10015	1	5	LF10017	1
6	LF10018	1	7	LF10019	2	8	LF1001A	1	9	LF1001B	1	10	LF1001C	1
11	LF1001D	1	12	LF1001E	1	13	LF1001F	1	14	LF1001G	1	15	LF1001J	1
16	LF1001K	1	17	LF1001L	1	18	LF1001M	1	19	LF1001R	1	20	DF10030	1
21	DF10040	1	22	DF10060	1	23	DF10070	1	24	DF10080	1	25		0
26		0	27		0	28		0	29		0	30		0
31		0	32		0	33		0	34		0	35		0
36		0	37		0	38		0	39		0	40		0

H9902951

Figure 3-81. A251-11 Complete Assembly NLA Counts (TMSM)

PROGRAM CEMRA251 04/19/99 1237 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

SEG G/E	KEY	KEY FEEDBACK
ROOT SEGMENT CE 104 RSG E 0215815		0215815
SECOND LEVEL		AF10010PW0E720004
SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275 K=A277 E=EA03		
REQUESTED DATA		

DATA-CD	TCTO-NO	SAFE-ID	REL-DT	CAT	LEV	CA	REC-DT	TP	CW	M	NEW-DC	ST	RF
0215815	2J-F100229-535	N	30071993	7	1		30071998	7				N	
WB LG FSC	UNITS	MANHRS	KIT-ID-NUMBER	WHN-ACC	EXP	DD	EXP-D	DASH	KPT	MOD-NO			
N 2840	00207	2.5	2840K0215815APT	9	360				YYN				
AC-WITH-DC		AC-AFT-DC											
AC-PRI-DC		ECPS		A-WK-REQ		CMP-REP-REQ							
		92QA068		Y		Y							
TCTO-DESC-TITLE				TCTO-DESC-OF-CHANGE OPER EST-DT CMP-DT									
REDESIGN PF1 T/B/C BRK,229,F15/16													
ACC-KEY	SUFFIX	TO-APP	PUB-DT	FILE-UPDATE	ISSUE-ACT	PN-CHG	PSC	IND-LEV	EQP-SPEC				
	5	13081993	1996169	SA-ALC	N		2						
PROD	PCN-NUMBER	JACKET-FILE	TCTO-CLASS	TIME-STAMP									
		N	IVB	19961150833									

H9902953

Figure 3-82. A251-12 TCTO Master (TCTO-Data-Code)

PROGRAM CEMRA251 04/19/99 1236 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

	SEG G/E	KEY	KEY FEEDBACK
ROOT SEGMENT CE 104 RSG	E	0215815	0215815 AF10010PW0E72
SECOND LEVEL	110	G	AF10010PW0E720004
SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275 K=A277 E=EA03			
REQUESTED DATA			

TCTO DATA CODE: 0215815 CII: AF10010 SERIAL NUMBER: PW0E720004

H9902954

Figure 3-83. A251-13 Applicable S/Ns (CII, Serial-No.)

A252 OPTION: A NHA SERIAL NO LOOKUP 02.239 09:56:31 PCN: CED042.MRA252.A1SA
 CII AF10110 SN GE0E470550 PN 9550M10G01 WUC 23Z00 SRAN 2039 ST S POS 2
 DATE 01339 TIME 1235 INST/REM DTE 01319 RECON NHA B001B SPARE TRCD JK
 OPTIONS: E=EA03, F=EA04, G=A251, H=A205, J=A265, K=A277, N=A275, T=OTHERS

CAT	TSN	ITEM	TSN	ENGINE	ENG	TSN	ACC	TIME	RECORDER	POS	ENG	ENGINE
NO		AT	INST	TSN	AT	INST	ON	ENG	WINDOWS	ID		SERIAL
11	3027.4		3027.4	3027.4		2910.1		117.3	0000074	#		
09	3968.1		3968.1	3968.1		3814.5		153.6	0042633	#		
59	799		799	799		763		36	0001041	#		
60	10244		10244	10244		9860		384	0012791	#		
61	15883		15883	15883		15442		441	0018185	#		
62	8381		8381	8381		8052		329	0010766	#		
63	83.3		83.3	83.3		79.6		3.7	0001148	#		
65	376.0		376.0	376.0		357.4		18.6	0003774	#		
66	275.7		275.7	275.7		260.3		15.4	0002760	#		
67	152.7		152.7	152.7		142.7		10.0	0001612	#		
68	92.8		92.8	92.8		86.6		6.2	0000761	#		
69	27.4		27.4	27.4		24.9		2.5	0000158	#		

ENGINE SERIAL
 F0101102 OFF**

* * * * E N D O F D A T A * * * *

H9902955

Figure 3-84. A252-1 NHA Serial Number Lookup (Option A)

```

A252      OPTION: B NLA SERIAL NO LOOKUP  02.239 10:10:14 PCN: CED042.MRA252.A2SA
CII AF10110 SN GE0E470550 PN 9550M10G01      WUC 23Z00      SRAN 2039 ST S POS 2
DATE 01339 TIME 1235 INST/REM DTE 01319 RECON  NHA      SPARE      TRCD JK
  LF1011A 00SUSU0485    LF1011B 00SUSY0369    LF1011C 00LJA23270    01 00  21 00
  LF1011D 00VKJE0881    LF1011G 00ECDL0425    LF1011N UNKCP00427    02 00  22 00
  LF1011P UNKCQ00427    LF10116 00WYG38265    LF10117 00ECDK0631    03 00  23 00
  LF10118 00GAT1A380    LF10119 00VKJE0424      04 00  24 00
                                05 00  25 00
                                06 01  26 00
                                07 01  27 00
                                08 01  28 00
                                09 01  29 00
                                10 01  30 00
                                11 01  31 00
                                12 01  32 00
                                13 01  33 00
                                14 01  34 00
                                15 01  35 00
                                16 01  36 00
                                17 00  37 00
                                18 00  38 00
                                19 00  39 00
                                20 00  40 00

* * * *  E N D   O F   D A T A   * * * *

```

H9902956

Figure 3-85. A252-2 NLA Serial Number Lookup (Option B)

```

A252    OPTION: I NHA SERIAL NO LOOKUP  02.239 10:17:20 PCN: CED042.MRA252.A1SA
CII LF10119 SN 00VKJE0424 PN 1270M24P03      WUC 23KBF      SRAN 2039 ST M POS
DATE 01330 TIME 0800 INST/REM DTE 87317 RECON    NHA AF10110 GE0E470550 TRCD VA
  OPTIONS: E=EA03, F=EA04, G=A251, H=A205, J=A265, K=A277, N=A275, T=OTHERS
CAT  TSN      ITEM TSN      ENGINE  ENG TSN  ACC TIME RECORDER  POS ENG  ENGINE
NO           AT INST      TSN      AT INST  ON ENG  WINDOWS      ID  SERIAL
11    3027.4      0.0    3027.4      0.0    3027.4              #
09    3968.1      0.0    3968.1      0.0    3968.1              #
                                #
                                #
                                #
                                #
                                #
                                #
                                #
                                #
                                #
                                #
                                #

```

```

ENGINE SERIAL
AF10110GE0E470550

```

```

* * * * E N D   O F   D A T A   * * * *

```

H0201480

Figure 3-86. A252-3 NHA Serial Number Lookup (Option 1)

```

CEMREA03      AGE BY SERIAL NUMBER      10/25/02  1235 PCN: CED042.MREA03.A1SA
CII: PF119P1  SERIAL NO: 00000000XXX  POS:      SPC STA:
BASE:        INST-DT:      REMOVE-DT:      OVHL-DT:      OCM-DT:
PART-NO:      LCN:          NHA CI:          NHA SN:
- SWAP OPT: H=A205 S/L=A240/1 G=A251 A/B=A252A/B  N=A275 K=A277 P=A295 Q=A465
CAT TLC      TSN      TIME-AT-OCM/OVHL  TIME-SINCE-OCM/OVHL TC  LIMIT  TIME-REM  %

```

INTERCHANGEABLE WITH PF119R1 BUT SN NOT FOUND
 * * * END OF DATA * * *

H0300004

Figure 3-86.1. A252-4 NHA Serial Number Lookup (Interchangeable CII)

```

A252      OPTION: A NHA SERIAL NO LOOKUP  02.239 10:28:57 PCN: CED042.MRA252.A1SA
CII PF119R1 SN BOGUS29047 PN 350691-3      LCN 781711A01 SRAN 9231 ST M POS
DATE 01348 TIME 0900 INST/REM DTE 01348 RECON  NHA HF119P0 TSM5AJ2001 TRCD VA
  OPTIONS: E=EA03, F=EA04, G=A251, H=A205, J=A265, K=A277, N=A275, T=OTHERS
CAT  TSN      ITEM TSN      ENGINE  ENG TSN  ACC TIME RECORDER  POS ENG  ENGINE
NO      AT INST      TSN      AT INST  ON ENG  WINDOWS      ID  SERIAL
11      0.0      0.0      0.0      0.0      0.0      #
05      0      0      0      0      0      #
09      0.0      0.0      0.0      0.0      0.0      #
15      0      0      0      0      0      #
16      0      0      0      0      0      #
17      0.00     0.00     0.00     0.00     0.00     #
18      0.00     0.00     0.00     0.00     0.00     #
19      0      0      0      0      0      #
20      0      0      0      0      0      #
41      0      0      0      0      0      #
42      0      0      0      0      0      #
43      0      0      0      0      0      #
44      0      0      0      0      0
45      0      0      0      0      0
46      0      0      0      0      0
47      0      0      0      0      0      ENGINE SERIAL
48      0      0      0      0      0      AF11910PW0E730032
SN ALREADY EXISTS UNDER CII PF119P1      * MORE DATA *

```

H0300005

Figure 3-86.2. A252-5 NHA Serial Number Lookup (Interchangeable CII)

CEMRA253 PROCESSING STATUS 98.316 13:35:09 PCN:CED042.MUA253.A1SA

 SRAN: 9130 OPTION: 1

PWA-MFG. DIVISI

STOP CODE:

LAST RCVD: 1998314

TECH CODE: PD

LAST-SEQ-PROCESSED: 1101291

LAST-SEQ-TO-PROCESS: 1101291

CURRENT SEQUENCE NO: 1101291

PREVIOUS SEQUENCE: 1001931

CURRENT A-CODE:

PREVIOUS A-CODE: Y

TRANSMISSION METHOD: P

COMMAND HOST: 01

TYPE FACILITY: Y

LOCATION CODE: CONTRACTOR

H9902958

Figure 3-87. A253-1 Processing Status (Option 1)


```

CEMRA253          PROCESSING STATUS    98.316 13:35:17 PCN:CED042.MUA253.A1SA

      SRAN:  9130      OPTION:  2          AVAILABLE          MISSING
                                NONE                      NONE
PWA-MFG. DIVISI

STOP CODE:
LAST RCVD:          1998314
TECH CODE:          PD
LAST-SEQ-PROCESSED: 1101291
LAST-SEQ-TO-PROCESS: 1101291
CURRENT SEQUENCE NO: 1101291
PREVIOUS SEQUENCE:  1001931
CURRENT A-CODE:
PREVIOUS A-CODE:    Y
TRANSMISSION METHOD: P
COMMAND HOST:       01
TYPE FACILITY:      Y
LOCATION CODE:        CONTRACTOR

AVAILABLE:          0      MISSING:          0
RETRANS:            0

```

H9902959

Figure 3-88. A253-2 Processing Status (Option 2)

PROGRAM CEMRA255 11/12/98 1337 TP ERROR SUMMARY PCN: CED042.MRA255.A1SA
 SRAN: 2059 TERMINAL-ID: PAGE: 1

TP-SEQ	TERM-ID	SUSP	TC	CII	SERIAL NO	E-1	E-2	E-3	E-4	E-5	E-6	E-7	E-8	T
0306704	CEIMC	97084	LL	PF10039	0000PD3475	101								—
0406756	CEAL6	98118	LL	PF1004F	0000R96628	089								—
0406799	CEAL6	98118	LL	PF10041	0000SE5008	089								—
0406805	CEAL6	98118	LL	PF10049	0000RR4881	089								—
0406861	CEAL6	98119	LL	PF10042	0000EH4827	089								—
0500541	CEDXA	97122	VA	LF10013	00CEEC1062	904								—
0502570	CEBM8	98135	LL	PF10051	SKLBCR1755			THI		UPD				—
0503622	CEVMH	97136	6P	LF1001M	000DSA0867	101								1
0601060	CEVAT	98160	DF	10040PW	CEOAA241	59D	40	214	021		193			0
0601120	CEMOS	98160	6P	LF100AE	000VAC0162	101							THI	8
0601121	CEMOS	98160	6P	LF100AF	00AVAE2184	102								7
0601122	CEMOS	98160	6N	LF1001V	00CJBA1103	123							THI	
0601123	CEMOS	98160	6P	LF10018	00AVF30532	101							THI	2
0601124	CEMOS	98160	6P	LF1001U	000AAU0690	103	PLA						THI	2
0601125	CEMOS	98160	6P	LF100AF	00AVAE2943	101							THI	9
0601126	CEMOS	98160	6N	LF1001L	0LPF980012	525							THI	
0601127	CEMOS	98160	6N	LF1001U	000AAU0690	104							THI	
0601128	CEMOS	98160	6P	LF10017	000SAC0329	005	CHE						THI	7

* * * MORE DATA TO FOLLOW * * * PRESS PA1 KEY

H9902960

Figure 3-89. A255 - TP Error Summary

```

PROGRAM CEMRA260 03/04/99 1247 BATCH ERROR SUMMARY      PCN: CED042.MRA260.A1SA
SRAN 9130  SUBS-ID      SERNO              SEQNO        CORRCD      ACTID A OUT S

SEQ-NO  C  ER1  ER2  ER3  ER4  ER5  TC  SERIAL NO  S T DATE  ORG-SEQ  ERRDRT  RETDRT  ID U
0201241 S 103                6N 0AVH3A1003 C R 99039      99041      YG A
0201242 S 402                VA 0AVH3A1003 C R 99039      99041      YG A
0201474 S 103                6N AVG3A03811 C R 99042      99046      YG A
0201475 S 402                VA AVG3A03811 C R 99042      99046      YG A
0201476 S 103                6N AVG3A03803 C R 99042      99046      YG A
0201477 S 402                VA AVG3A03803 C R 99042      99046      YG A
0201478 S 103                6N AVG3A03805 C R 99042      99046      YG A
0201479 S 402                VA AVG3A03805 C R 99042      99046      YG A
0201480 S 103                6N AVG3A03804 C R 99042      99046      YG A
0201481 S 402                VA AVG3A03804 C R 99042      99046      YG A
0201482 S 103                6N 0AVH3A1002 C R 99042      99046      YG A
0201483 S 402                VA 0AVH3A1002 C R 99042      99046      YG A
0202099 S 401                6N 00AVAD2896 C R 99053      99053      X1 A
0202100 S 401                6P 00AVAD2896 C R 99053      99053      X1 A
0202101 S 401                6N 00AVAF2902 C R 99053      99053      X1 A
0202102 S 401                6P 00AVAF2902 C R 99053      99053      X1 A
0202103 S 401                6N 00AVAD2900 C R 99053      99053      X1 A
0202104 S 401                6P 00AVAD2900 C R 99053      99053      X1 A

```

* * * MORE DATA TO FOLLOW * * * PRESS PA1 KEY

PAGE 1

H9902961

Figure 3-90. A260-1 Batch Error Summary (Short)

```

PROGRAM CEMRA260 03/04/99 1248 BATCH ERROR SUMMARY PCN: CED042.MRA260.A1SA
SRAN 9130 SUBS-ID SERNO SEQNO CORRCD ACTID A OUT L
A02012411C6NR990391200YG23FAN0AVH3A1003442021-4
      1M A 090000000770000000150000000160000000170000000
      180000000620000000630000000710000000720000000730000000740000000
      0000000000000000000000000000000000000000000000000000000000000000
A02012421CVAR990391200YG23FAN0AVH3A1003442021-4 PW0A018389
      1M A 090000000770000000150000000160000000170000000
      180000000620000000630000000710000000720000000730000000740000000
      0000000000000000000000000000000000000000000000000000000000000000
A02014741C6NR990421200YG23FAPAVG3A03811442020-2
      1M A 090000000770000000150000000160000000170000000
      180000000620000000630000000710000000720000000730000000740000000
      0000000000000000000000000000000000000000000000000000000000000000
A02014751CVAR990421200YG23FAPAVG3A03811442020-2 PW0A018390
      1M A 090000000770000000150000000160000000170000000
      180000000620000000630000000710000000720000000730000000740000000
      0000000000000000000000000000000000000000000000000000000000000000
A02014761C6NR990421200YG23FAPAVG3A03803442020-2
      1M A 090000000770000000150000000160000000170000000
      180000000620000000630000000710000000720000000730000000740000000
      0000000000000000000000000000000000000000000000000000000000000000
* * * MORE DATA TO FOLLOW * * * PRESS PA1 KEY PAGE 1

```

H9902962

Figure 3-91. A260-2 Batch Error Summary (Long)

PROGRAM CEMRA260 03/04/99 1249 HOLD/ERROR SUMMARY PCN: CED042.MRA260.A1SA
 SRAN 9432 SUBS-ID SERNO GE0E537133 SEQNO CORRCD ACTID A OUT B

ENG-ID	WUC	SEQ #	RPT	TC	TDATE	RDATE	CI	P-FLAG	CORR SEQ
PM	23Z00	0200001	R	6N	99057	99059	AF11810		
PM	23Z00	0200190	R	AH	99057	99059	AF11810		
PM	23Z00	0200191	R	AH	99057	99059	AF11810		
PM	23Z00	0200192	R	AH	99057	99059	AF11810		
PM	23Z00	0200193	R	AH	99057	99059	AF11810		
PM	23Z00	0200194	R	AH	99057	99059	AF11810		
PM	23Z00	0200195	R	AH	99057	99059	AF11810		
PM	23Z00	0200196	R	AH	99057	99059	AF11810		
PM	23Z00	0200197	R	AH	99057	99059	AF11810		
PM	23Z00	0200198	R	AH	99057	99059	AF11810		
PM	23Z00	0200199	R	AH	99057	99059	AF11810		
PM	23Z00	0200200	R	AH	99057	99059	AF11810		
PM	23Z00	0200201	R	AH	99057	99059	AF11810		
PM	23Z00	0200202	R	AH	99057	99059	AF11810		
PM	23Z00	0200203	R	AH	99057	99059	AF11810		
PM	23Z00	0200204	R	AH	99057	99059	AF11810		
PM	23Z00	0200205	R	AH	99057	99059	AF11810		
PM	23Z00	0200206	R	AH	99057	99059	AF11810		
PM	23Z00	0200207	R	AH	99057	99059	AF11810		

* * * * MORE DATA TO FOLLOW * * * PRESS PA1 KEY

PAGE 1

H9902964

Figure 3-92. A260-3 Transaction/Active Errors (Specific S/N)

```
PROGRAM CEMRA260 09/28/99 1553 BATCH ERROR SUMMARY PCN: CED042.MRA260.A1SA
SRAN 9130 SUBS-ID SERNO SEQNO CORRCD ACTID A OUT E

ERR CNT ERR CNT ERR CNT ERR CNT ERR CNT ERR CNT ERR CNT
045 2 101 2 118 1 143 1
```

TOTAL ERRORS 0000006

* * * * END OF DATA * * * *

PAGE 1

H9903229

Figure 3-93. A260-4 Total Number of Occurrences

PROGRAM CEMRA260 09/28/99 1553 BATCH ERROR SUMMARY PCN: CED042.MRA260.A1SA
SRAN 9130 SUBS-ID SERNO SEQNO CORRCD ACTID A OUT P

ERR	%	ERR	%	ERR	%	ERR	%	ERR	%	ERR	%	ERR	%
045	33.3	101	33.3	118	16.6	143	16.6						

TOTAL ERRORS 0000006

* * * * END OF DATA * * * *

PAGE 1

H9903230

Figure 3-94. A260-5 Percentage of Occurrence of Each Error

PROGRAM CEMRA260 09/28/99 1554 BATCH ERROR SUMMARY PCN: CED042.MRA260.A1SA
 SRAN 9130 SUBS-ID SERNO SEQNO CORRCD ACTID A OUT C

CORRECT-CD	COUNT	CORRECT-CD	COUNT	CORRECT-CD	COUNT	CORRECT-CD	COUNT
A	0000	B	0000	C	0000	D	0000
E	0000	F	0000	G	0000	H	0000
I	0000	M	0003	N	0000	P	0000
Q	0000	R	0000	S	0001	T	0000
U	0000	V	0000	X	0000	Y	0000
Z	0000						

OTHER-CD COUNT 0000 SELECT-CD-COUNT 000000 TOTAL-COUNT 00000004
 PAGE 1

H9903231

Figure 3-95. A260-6 List of Errors by Correct Code


```

CEMRA265 REMOVAL HISTORY SUMMARY I      11/12/98 1351      PCN: CED042.MRA265.A1SA
CII: AF10010 SN: PW0E680523 OPTION: 1 START DATE:          END DATE:          PAGE  4
OPTIONS: H=A205 S=A240 L=A241 G=A251 I=A252 N=A275 K=A277 E=EA03      LPAGE:
RDATE RR  SRAN SEQ NUM T NHA CII NHA SERIAL ORR INSTD  CMD TIME  PART NUMBER

94060 800 5270 0300088 R   F015C 7800000478      92281  ORB 0900 4074200
94297 879 5270 1001515 R   F015D 7800000562      94067  ORB 1200 4074200
95145 561 5270 0501672 R   F015C 7800000528      94335  ORB 1000 4074200
96030 880 5270 0101919 R   F015D 7800000569      95211  ORB 1200 4074200
96046 916 5270 0201298 R   F015C 7800000522      96044  ORB 0930 4074200
96213 800 5270 0701848 R   F015C 7800000538      96053  ORB 1744 4074200
96320 800 5270 1101198 R   F015C 7800000538      96227  ORB 1005 4074200
97176 223 5270 0601433 R   F015C 7800000483      96344  ORB 1200 4074200
98064 800 5270 0300579 R   F015C 7800000477      97183  ORB 1500 4074200
98147 127 5270 0501202 R   F015C 7800000478      98086  ORB 0730 4074200

```

*** END OF DATA ***

PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT;

H9902965

Figure 3-96. A265-1 Removal History Summary (Option 1)

CEMRA265 REMOVAL HISTORY SUMMARY II 11/12/98 1352 PCN: CED042.MRA265.A2SA
 CII: AF10010 SN: PW0E680523 OPTION: 2 START DATE: END DATE: PAGE 4
 OPTIONS: H=A205 S=A240 L=A241 G=A251 I=A252 N=A275 K=A277 E=EA03 LPAGE:
 RDATE RR SRAN TC T CAT1 CAT2 CAT3 CAT4 CAT5

94060	800	5270	LB	R	11	3344.6	09	5436.8	15	2690	16	18093	17	64.07
94297	879	5270	LF	R	11	3603.6	09	5766.5	15	2834	16	19304	17	86.94
95145	561	5270	LF	R	11	3775.5	09	6018.2	15	2955	16	20112	17	89.15
96030	880	5270	LF	R	11	3951.9	09	6235.1	15	3065	16	20871	17	98.84
96046	916	5270	LF	R	11	3959.5	09	6249.7	15	3074	16	20947	17	98.98
96213	800	5270	LB	R	11	4100.5	09	6421.0	15	3163	16	21449	17	103.51
96320	800	5270	LB	R	11	4180.7	09	6532.9	15	3199	16	21675	17	108.47
97176	223	5270	LF	R	11	4389.5	09	6784.1	15	3312	16	22436	17	112.29
98064	800	5270	LB	R	11	4539.4	09	7010.0	15	3416	16	23066	17	114.11
98147	127	5270	LF	R	11	4581.0	09	7082.0	15	3452	16	23301	17	114.95

*** END OF DATA ***

PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT;

H9902966

Figure 3-97. A265-2 Removal History Summary (Option 2)

```

CEMRA265 REMOVAL HISTORY SUMMARY III   11/12/98 1425      PCN: CED042.MRA265.A3SA
CII: AF10010 SN: PW0E680523 OPTION: 3 START DATE:        END DATE:        PAGE 13
OPTIONS: H=A205 S=A240 L=A241 G=A251 I=A252 N=A275 K=A277 E=EA03      LPAGE:
RDATE RR  SRAN SEQ NUM T NHA CII NHA SERIAL ORR INSTD  CMD TIME NTM  LTH

  96320 800 5270 1101198 R   F015C 7800000538      96227 ORB 1005  13  283
11   4180.7 09   6532.9 15     3199 16     21675 17     108.47 18     2.99
62      0 63      0.0 71      0.00 72      0 73      0.00 74      0.00
77      0.0

  97176 223 5270 0601433 R   F015C 7800000483      96344 ORB 1200  13  283
11   4389.5 09   6784.1 15     3312 16     22436 17     112.29 18     5.39
62      0 63      0.0 71      0.00 72      0 73      0.00 74      0.00
77      0.0

  98064 800 5270 0300579 R   F015C 7800000477      97183 ORB 1500  13  283
11   4539.4 09   7010.0 15     3416 16     23066 17     114.11 18     7.91
62      0 63      0.0 71      0.00 72      0 73      0.00 74      0.00
77      0.0

  98147 127 5270 0501202 R   F015C 7800000478      98086 ORB 0730  13  283
11   4581.0 09   7082.0 15     3452 16     23301 17     114.95 18     10.32
62      0 63      0.0 71      0.00 72      0 73      0.00 74      0.00
77      0.0

*** END OF DATA ***

      PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT;
DFS223 PAGE REQUESTED NOT CONTAINED IN CURRENT MESSAGE

```

H9902967

Figure 3-98. A265-3 Removal History Summary (Option 3)

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1348 PCN: CED042.MRA270.A1SA
 KEY: D1 SRAN: 2039 ORG: SEQ/SER NO: W/C: OUTPUT: D PAGE: 1
 PAGE REQUEST:

SRAN	SEQ-NO	TC	T	SERIAL-NO	CMD	A	DATE	D-PRC	FHR	CII	TMSM	RR
2039	1104435	6P	R	00LKME8545			98321	98321		PF110A2		
2039	1104436	LM	R	00TMTB0005			98321	98321		PF110B1		
2039	1104436	LM	R	00GWNV8993			98321	98321		PF110B2		
2039	1104437	LM	R	00MP0BM053			98321	98321		PF110B3		
2039	1104437	LM	R	00000DT022			98321	98321		PF110B4		
2039	1104437	LM	R	0LPA930461			98321	98321		PF110B5		
2039	1104437	LM	R	00GWNE7521			98321	98321		PF110B6		
2039	1104438	LL	R	00MP0BM053			98321	98321		SF110B3		
2039	1104439	6C	R	00000DT022			98321	98321		PF110B4		
2039	1104440	6C	R	0LPA930461			98321	98321		PF110B5		
2039	1104441	LM	R	00MP0AY093			98321	98321		PF110D1		
2039	1104441	LM	R	1619012182			98321	98321		PF110D2		
2039	1104441	LM	R	00GWNG9533			98321	98321		PF110D3		
2039	1104441	LM	R	00GWNK7650			98321	98321		PF110D4		
2039	1104441	LM	R	00NSK03003			98321	98321		PF110D5		
2039	1104441	LM	R	0LPA910195			98321	98321		PF110D6		
2039	1104441	LM	R	00NCE72360			98321	98321		PF110D7		
2039	1104441	LM	R	003AB15WRV			98321	98321		PF110D8		

*** MORE DATA FOLLOWS PRESS: PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902968

Figure 3-99. A270-1 Daily Transaction Summary in Dayfile Layout

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1349 PCN: CED042.MRA270.A1SA
 KEY: D1 SRAN: 2039 ORG: SEQ/SER NO: W/C: OUTPUT: S PAGE: 1
 PAGE REQUEST:

CII	SERIAL-NO	DATE/D-PRC	C/OR	AT	TC	TO/FRM	CONT	NHA/SERIAL-NO	P	SEQ-NO
PN40031	00TMTB0366	9831298321	1MDF	R	FB			1MA		1104470
SF11031	00GWNG6858	9832198321	1CEF	A	MB			804		1104525
SF11032	00MP0V7380	9832198321	1CEF	A	MB			804		1104529
SF11033	00GWNG6216	9832198321	1CEF	A	MB			804		1104532
HF110B0	00GWNY3667	9832198321	0RBF	AR	FB					1104574
AF10110	GE0E470388	9832198321	1MDE	AR	RL		9999FJ4661983211111			1104577
AF10110	GE0E470338	9832098321	1MDK	AR	TA	1C4690		B001B85000000751		1104580
AF10110	GE0E470432	9832098321	1MDK	AR	TA	1C4690		B001B85000000752		1104581
AF10110	GE0E470424	9832098321	1MDK	AR	TA	1C4690		B001B85000000753		1104582
AF10110	GE0E470161	9832098321	1MDK	AR	TA	1C4690		B001B85000000754		1104583
AF10110	GE0E470410	9832198321	1MDK	AR	LB		0213800		1	1104584
AF10110	GE0E470199	9832098321	1MDK	AR	LB		0288800		1	1104587
AF10110	GE0E470199	9832198321	1MDK	AR	VA			B001B85000000731		1104599
AF11010	GE0E509562	9832098321	1MDH	AR	JK					1104602
AF11010	GE0E509259	9832098321	1MDE	AR	RL		TAP6FJ5004830601XY			1104617
ATF3010	PW00659183	9832198321	1MDE	AR	PL		TAJ6MEPT9D83134929			1104618
ATF3010	PW00659183	9832198321	1MDQ	AR	2M					1104619
ATF3010	PW00659178	9832198321	1MDE	AR	PL		TAHWMEPT9D83134929			1104620

*** MORE DATA FOLLOWS PRESS: PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902969

Figure 3-100. A270-2 Daily Transaction Summary in Status Layout

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1349 PCN: CED042.MRA270.A1SA
KEY: D1 SRAN: 2039 ORG: SEQ/SER NO: W/C: OUTPUT: L PAGE: 1
PAGE REQUEST:

2039	1104435	C6PR00LKME85451MD	A1998321	
		PF110A2		
		1M	C#060119983211998321	
2039	1104436	CLMR00TMTB00054Z	N1998321	
		PF110B1		
			C# 19983211998321	
2039	1104436	CLMR00GWNV89934Z	N1998321	
		PF110B2		
			C# 19983211998321	
2039	1104437	CLMR00MP0BM0534Z	N1998321	
		PF110B3		
			C# 19983211998321	
2039	1104437	CLMR00000DT0224Z	N1998321	
		PF110B4		
			C# 19983211998321	
2039	1104437	CLMR0LPA9304614Z	N1998321	
		PF110B5		
			C# 19983211998321	

*** MORE DATA FOLLOWS PRESS: PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902970

Figure 3-101. A270-3 Daily Transaction Summary in Long Layout

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1350 PCN: CED042.MRA270.A1SA
 KEY: MC SRAN: 2039 ORG: SEQ/SER NO: W/C: OUTPUT: M PAGE: 1
 PAGE REQUEST:

```
CE14015S ID-----MC--H          -----87254
      09/11/871105DAYFILE INSERTED
CE57015S CEDF10040PW0C000730  F0100100B OFF**--X5-----
      09/11/871449ENGINE SER CHANGED
CE57015S CIDF10040PW0C000730  F0100100B OFF**--X5-----
      09/11/871449ENGINE-ID CHANGED
CE57025S CEDF10040PW0CFB0206  F0100100B OFF**--X5-----
      09/14/871016ENGINE SER CHANGED
CE57025S CIDF10040PW0CFB0206  F0100100B OFF**--X5-----
      09/14/871017ENGINE-ID CHANGED
CE57025S CEDF10040PW0CFB0323  F0100100B OFF**--X5-----
      09/14/871017ENGINE SER CHANGED
CE57025S CIDF10040PW0CFB0323  F0100100B OFF**--X5-----
      09/14/871017ENGINE-ID CHANGED
CE57015S DNDF10040PW0C016756PF100470000H50783-----
      09/14/871253NLA DELETED
CE14008S CTAF10010PW0E681493-----
      F0100100B 09/15/870745TMSM CHANGED
```

*** MORE DATA FOLLOWS PRESS: PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

Figure 3-102. A270-4 Daily Transaction Summary in Manual Change Layout

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1350 PCN: CED042.MRA270.A1SA
 KEY: SA SRAN: 2039 ORG: SEQ/SER NO: W/C: OUTPUT: N PAGE: 1
 PAGE REQUEST:

SRAN	CMD	OLD-SERIAL	OLD-CII	DATE	NEW-SERIAL	NEW-CII	TC	T	TMSM	TERM-ID
2039	0FD	00000858GT	F4160	254LX	00565GALHT	F4160AD		C	F0041001	44005S
2039	0W	UNKN010085	F414B	254FV	LETED		00	VA	D	03022S
2039	4Z	UNKN141710	F414E	254LV	LETED		00	VA	D	03022S
2039	4Z	UNKN141710	F414H	254LV	LETED		00	VA	D	03022S
2039	0W	UNKN81E236	F414A	254FV	LETED		00	VA	D	03022S
2039	0W	UNKN81E236	F414E	254FV	LETED		00	VA	D	03022S
2039	0W	UNKN81E236	F414G	254FV	LETED		00	VA	D	03022S
2039	0W	UNKN81E236	F4141	254FV	LETED		00	VA	D	03022S
2039	0W	UNKN81E236	F4145	254FV	LETED		00	VA	D	03022S
2039	0W	UNKN81E236	F4148	254FV	LETED		00	VA	D	03022S
2039	0W	UNKN012391	F414G	254FV	LETED		00	VA	D	03022S
2039	0W	UNKN012391	F4141	254FV	LETED		00	VA	D	03022S
2039	0W	UNKN012391	F4143	254FV	LETED		00	VA	D	03022S
2039	0W	UNKN012391	F4145	254FV	LETED		00	VA	D	03022S
2039	0W	UNKN012391	F4147	254FV	LETED		00	VA	D	03022S
2039	0W	UNKN012391	F4149	254FV	LETED		00	VA	D	03022S
2039	0W	UNKN010572	F414A	254FV	LETED		00	VA	D	03022S
2039	0W	UNKN0590CG	F4143	254FV	LETED		00	VA	D	03022S

*** MORE DATA FOLLOWS PRESS: PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902972

Figure 3-103. A270-5 Daily Transaction Summary in S/N Layout

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1351 PCN: CED042.MRA270.A1SA

KEY: T1 SRAN: ORG: SEQ/SER NO: W/C: OUTPUT: T PAGE: 1

PAGE REQUEST:

CII	SERIAL-NO	DATE	D-PRC	CMD	DATA/CD	ST	HOURS	SRAN	WRK-CTR	SEQ-NO
AJ08510	GE00232688	96211	96218	1C	0215883	01	0730	4801		0800076
AJ08510	GE00232688	96211	96218	1C	0216523	01	0730	4801		0800076
AJ08510	GE00232688	96211	96218	1C	0216535	01	0730	4801		0800076
AJ08510	GE00232688	96211	96218	1C	0216540	01	0730	4801		0800076
AF10110	GE0E470369	96215	96218	1C	0216860	01	0085	4690	OCALC	0800147
AF10010	PW0E719020	96218	96218	1M	0214850	01	0015	2805	SAALC	0800100
AF10010	PW0E719020	96218	96218	1M	0215074	01	0055	2805	SAALC	0800106
AF11710	PW0E170080	96216	96219	0J	0216567	01	0010	4418	NOJOB	0800291
AF11710	PW0E170090	96216	96219	0J	0216567	01	0010	4418	NOJOB	0800291
AF11710	PW0E170091	96216	96219	0J	0216567	01	0010	4418	NOJOB	0800291
AF11710	PW0E170077	96207	96219	0J	0216567	01	0010	4418	NOJOB	0800292
AF11710	PW0E170072	96207	96219	0J	0216567	01	0010	4418	NOJOB	0800292
AF11710	PW0E170078	96207	96219	0J	0216567	01	0010	4418	NOJOB	0800292
AF10110	GE0E470120	96215	96219	1C	0216860	01	0085	4690	OCALC	0800155
AF10110	GE0E470340	96215	96219	1C	0216860	01	0085	4690	OCALC	0800155
AF10110	GE0E470296	96215	96219	1C	0216860	01	0085	4690	OCALC	0800155
AF10110	GE0E470419	96215	96219	1C	0216860	01	0085	4690	OCALC	0800155
AF10110	GE0E470413	96215	96219	1C	0216860	01	0085	4690	OCALC	0800155

*** MORE DATA FOLLOWS PRESS: PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902973

Figure 3-104. A270-6 Daily Transaction Summary in TCTO Layout

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0845 PCN: CED042.MRA270.A1SA
 KEY: TA SRAN: ORG: SEQ/SER NO: W/C: OUTPUT: L PAGE: 1
 PROGRAM NAME: STRT DATE: PAGE REQUEST:

```

0215850CEAXC   4075491      PF1004AONLY STATUS RECORDS - ADD 9825407462J-F100
(II)-620  150394150304      N              DYNN7360Y8  4N      SA-ALC NYYN
IVB              2840 00001TITLE
0215850CEAXC   4075491      PF1004A 00015SENCAS4168SENCAS41689825407462J-F100
(II)-620  150394150304      N              DYNN7360Y8  4N      SA-ALC NYYN
IVB              2840 00001TITLE
0216949CEAXC   4067222-803   DF10040ONLY STATUS RECORDS - ADD 9825407472J-F100
(II)-637  150597150501      N              1YNN6360Y8  3N      SA-ALC NYYN
IVB              2840 00005TITLE
0216949CEAXC   4067222-803   DF10040 00080PW0C010718PW0C0107189825407472J-F100
(II)-637  150597150501      N              1YNN6360Y8  3N      SA-ALC NYYN
IVB              2840 00005TITLE
0217515CERXR   4067247-704   DF10050ONLY STATUS RECORDS - ADD 9825409392J-F100
(VI)-551  040398040399      N              AYNN6120Y8  4N      SA-ALC NNYN
IVB              2840 00001TITLE
0217515CERXR   4067247-704   DF10050 00055PW0H010926PW0H0109269825409392J-F100
(VI)-551  040398040399      N              AYNN6120Y8  4N      SA-ALC NNYN
IVB              2840 00001TITLE

```

*** MORE DATA FOLLOWS PRESS: PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902577

Figure 3-105. A270-7 Establish TCTO and/or Add S/N

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0846 PCN:CED042.MRA270.A1SA
KEY: TC SRAN:      ORG:      SEQ/SER NO:      W/C:      OUTPUT: L PAGE:      1
                        PROGRAM NAME:      STRT DATE:      PAGE REQUEST:
```

0217424CEDGW 9995M60G01 AF10810CHANGE TRANSACTION COMPLET982540828
010898150506

0217424CEDGW 9995M60G01 AF10810 00050CF0E710101CF0E714124982540828
010898150506

```
0216956CEAXC      4068722-807      DF10040CHANGE TRANSACTION COMPLET982541038
                   110998
```

0216956CEAXC 4068722-807 DF10040 00040PW0C018306PW0C018318982541038
110998

0215764CECA52 9550M58G04 HF10150CHANGE TRANSACTION COMPLET982590927
3

0215764CECA52 9550M58G04 HF10150 0050000GWNC4108 982590927

*** MORE DATA FOLLOWS PRESS: PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902578

Figure 3-106. A270-8 Change TCTO Date Elements Transactions

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0847 PCN: CED042.MRA270.A1SA
KEY: TD SRAN: ORG: SEQ/SER NO: W/C: OUTPUT: L PAGE: 1
 PROGRAM NAME: STRT DATE: PAGE REQUEST:

0217697CEDGW TCTO SERIAL NUMBERS DELETE983481354

*** END OF DATA ***

PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902579

Figure 3-107. A270-9 Delete TCTO Transactions

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0847 PCN: CED042.MRA270.A1SA
 KEY: TF SRAN: ORG: SEQ/SER NO: W/C: OUTPUT: L PAGE: 1
 PROGRAM NAME: STRT DATE: PAGE REQUEST:

0216767CECA5 4070217-700 DF10050DELETE-SN TRANSACTION COMP982540949

0216767CECA5 4070217-700 DF10050 00055PW0ZZZZZZZPW0ZZZZZZZ982540949

0216949CEAXC 4070222-803 DF10040DELETE-SN TRANSACTION COMP982590808

0216949CEAXC 4070222-803 DF10040 00080PW0C001376PW0C001679982590808

0216949CEAXC 4070222-803 DF10040 PW0C001681PW0C001691982590808

0216949CEAXC 4070222-803 DF10040 PW0C001694PW0C001705982590808

*** MORE DATA FOLLOWS PRESS: PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902580

Figure 3-108. A270-10 Delete TCTO Serial Number Transactions

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1352 PCN: CED042.MRA270.A1SA
KEY: TK SRAN: ORG: SEQ/SER NO: W/C: OUTPUT: L PAGE: 1
 PAGE REQUEST:

0215181CECA52 9995M60G01 AF10810CHANGE HRS TRANSACTION SUC983131405

% CE

0215181CECA52 9995M60G01 AF10810 00065CF0E710101CF0E713340983131405

% CE

*** END OF DATA ***

PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902581

Figure 3-109. A270-11 Change TCTO Manhour Transactions

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0850 PCN: CED042.MRA270.A1SA
KEY: TR SRAN: ORG: SEQ/SER NO: W/C: OUTPUT: L PAGE: 1
 PROGRAM NAME: STRT DATE: PAGE REQUEST:

0215315CEACG TCTO-RETIRED SUCCESSFULLY 982751101

0215315CEACG TCTO-RETIRED SUCCESSFULLY 982751335

0215315CEACG TCTO-RETIRED SUCCESSFULLY 982780649

0214159CEAXC TCTO-RETIRED SUCCESSFULLY 982961221

0215923CERXA TCTO-RETIRED SUCCESSFULLY 982991439

0215977CERXA TCTO-RETIRED SUCCESSFULLY 983000822

*** MORE DATA FOLLOWS PRESS: PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902582

Figure 3-110. A270-12 Retire TCTO Transactions

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0854 PCN: CED042.MRA270.A1SA
KEY: TU SRAN: ORG: SEQ/SER NO: W/C: OUTPUT: L PAGE: 1
 PROGRAM NAME: STRT DATE: PAGE REQUEST:

0217470CECA51 TCTO UNRETIRED SUCCESSFULL990550854

*** END OF DATA ***

PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902583

Figure 3-111. A270-13 Unretire TCTO Transactions

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0855 PCN:CED042.MRA270.A1SA
KEY: TX SRAN: ORG: SEQ/SER NO: W/C: OUTPUT: L PAGE: 1
 PROGRAM NAME: STRT DATE: PAGE REQUEST:

0215153CECA51 9547M24G02 HF129H0CHANGE KLD TRANSACTION SUC990550855

0215153CECA51 9547M24G02 HF129H020007000EE00336400FABV2318990550855

*** END OF DATA ***

PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902584

Figure 3-112. A270-14 Change TCTO KLD Transactions

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 01/07/99 0902 PCN:CED042.MRA270.A1SA  
KEY: N5 SRAN:      ORG:    SEQ/SER NO:          W/C:        OUTPUT: L PAGE:   1  
                                     PAGE REQUEST:
```

				WC92773320GWNK6523	99004	
D	CECKK	1999005	071046	CEMUA205	TRANS CODE=D2	
						B
		2773320GWNK6523	0102	03856		
	CECKK	1999005	071046	CEMUA205	TRANS CODE=D2	
C	CEJAM	WC923B1720AF960067			00000MDR	99545
		1999005	095703	CEMUA230	TRANS CODE=MDR	
C	CEBAT	WC92772300GGMJJP469			99005MDR	
		1999005	131325	CEMUA230	TRANS CODE=MDR	
		2772300GGMJJP469	0102	00000		B
	CEBAT	1999005	131325	CEMUA230	TRANS CODE=MDR	
S	CEBAT	WC92772300GGMJJP469	1493M83G01	99005		
		1999005	131325	CEMUA230	TRANS CODE=S1	

*** MORE DATA FOLLOWS PRESS: PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902585

Figure 3-113. A270-15 Navy ECOMTRAC Transactions

```

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 03/30/99 1642 PCN: CED042.MRA270.A1SA
KEY: HC SRAN:      ORG:  SEQ/SER NO:      W/C:      OUTPUT: M PAGE:  2
                        PROGRAM NAME:      STRT DATE:      PAGE REQUEST:
CHG CEMUA315 CEAXC   1997157 NS99999GA      00027600
CHG CEMUA315 CEAXC   1997157 YG23Z00P/W      02650258
CHG CEMUA315 CEAXC   1997157 YH23Z00P/W      02650258
DEL CEMUA302 CEJFN   1997216 AGM086B830000030475241MAA      01BAJ0
0   HK
ADD CEMUA302 CEJFN   1997216 AGM086C830000030475241MAA      01BAJ0
0   HK
DEL CEMUA302 CEJFN   1997216 AGM086B810000030775241MAA      01BAJ0
0   HK
ADD CEMUA302 CEJFN   1997216 AGM086C810000030775241MAA      01BAJ0
0   HK
ADD CEMUA302 CEJFN   1997216 AGM086C840000043475241MAA      01BAJ0
0   HK
DEL CEMUA302 CEJFN   1997216 AGM086C840000043475241MAA      01BAJ0
0   HK
ADD CEMUA302 CEJFN   1997216 AGM086C810000043475241MAA      01BAJ0
0   HK
*** MORE DATA FOLLOWS  PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

```

H9902586

Figure 3-114. A270-16 Audit Trail Records

PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 04/01/99 1425 PCN: CED042.MRA270.A1SA
 KEY: HT SRAN: ORG: SEQ/SER NO: W/C: OUTPUT: PAGE: 1
 PROGRAM NAME: STRT DATE: PAGE REQUEST:

TERM-ID	DATE	ACT	LOCATION	NAME	ORGANIZATION	TELEPHONE
NOD1044S	91128	D	NORTON AFB CA	LAURA SMOOT	63 MAW/MAM C	7143824337
NOD2015S	91128	D	NORTON AFB CA	LAURA SMOOT	63 MAW/MAM C	7143824337
NOD2016S	91128	D	NORTON AFB CA	LAURA SMOOT	63 MAW/MAM C	7143824337
NOD6014S	91128	D	NORTON AFB CA	LAURA SMOOT	63 MAW/MAMC	7143824337
CEJDO	91130	D	JACKSONVILLE	FJAMES J O'NEAL	125 FIG/MAM	9047571360
CEKAB	91130	D	JACKSONVILLE	FSSGT K BENFORD	125 FIG/MAM	9047571360
CEPXJ	91130	D	JACKSONVILLE	FPATRICIA JONES	125 FIG/MAM	9047571360
CETYB	91142	D	CARSWELL AFB	TTHOMAS BONIOL	7 FMS/MAFPM	8177827771
CEDEF	91142	D	CARSWELL AFB, D FORD		7FMS/MAFP	8177827193
CEFMM	91142	D	CARSWELL AFB, TSGT FRED MONTES		7FMS/MAFP	8177827193
CERAA	91149	D	FAIRCHILD AFB	ROBERT A ANDERSON	92 FMS/MAFPM	5092475749
CEWBB	91149	D	FAIRCHILD AFB	WALLACE BRANDON	92 FMS/MAFPM	5092475749
ANA9004S	91150	D	ANDREWS AFB	MDPATRICIA FITCH	459 MAW/MAFP	3019815351
TOCT1273	91163	D	KELLY AFB TX	TINA RATCLIFF	SA-ALC/LPPSC	5129257548
CE18057S	91165	D	KELLY AFB TX	D TOVAR	SA-ALC/LPFD	5129254372
CEAYA	91172	D	HOMESTEAD AFB	ANTHONY APONTE	482 CAMS/MACPM	3052577523
CEMBP	91172	D	LANGLEY AFB, VMERAL B PALMER		1AF/LGMS	8047646032
CELAD	91172	D	KELLY AFB TX	LINDA DELOS SANTOS	SA-ALC/LPPSC	5129257548

*** MORE DATA FOLLOWS PRESS: PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902588

Figure 3-115. A270-17 Terminal ID History Records

CEMRA271 PART NUMBER MASTER I 03/01/99 1230 CED042.MRA271.A1SA
 CII: LF10011 OPTION: 1 P/N: PAGE: 1

PART NUMBER	MDS	KFAC	C1	TLCC	LIMIT	C2	TLCC	LIMIT	C3	TLCC	LIMIT
HS763891	F015A	0250	09	EOTH	0002000			0			0
HS763891	F015B	0250	09	EOTH	0002000			0			0
HS763891	F015C	0250	09	EOTH	0002000			0			0
HS763891	F015D	0250	09	EOTH	0002000			0			0
HS763891	F016A	0250	09	EOTH	0001200			0			0
HS763891	F016B	0250	09	EOTH	0001200			0			0
HS763891	F016C	0250	09	EOTH	0001200			0			0
HS763891	F016D	0250	09	EOTH	0001200			0			0
HS763891L11	F015A	0250	09	EOTH	0002000			0			0
HS763891L11	F015B	0250	09	EOTH	0002000			0			0
HS763891L11	F015C	0250	09	EOTH	0002000			0			0
HS763891L11	F015D	0250	09	EOTH	0002000			0			0
HS763891L13	F015A	0250	09	EOTH	0002000			0			0
HS763891L13	F015B	0250	09	EOTH	0002000			0			0
HS763891L13	F015C	0250	09	EOTH	0002000			0			0
HS763891L13	F015D	0250	09	EOTH	0002000			0			0
HS763891L14	F015A	0250	09	EOTH	0002000			0			0

*** MORE DATA FOLLOWS; PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT ***

H9902589

Figure 3-116. A271-1 Part Number Master Record (Option 1)

CEMRA271 PART NUMBER MASTER II 03/01/99 1231 CED042.MRA271.A2SA
 CII: LF10011 OPTION: 2 P/N: PAGE: 1

PART NUMBER	MDS	KFAC	KDATE	STOCK-NO	DT-PN-EST				
HS763891	F015A	0250	82095	2915	77203				
CAT-NO	TLCC	LIFE-LIM	LIFE-DT	DEPOT-BLD	DEPOT-DT	ORG-LIM	ORG-DT	DESIGN-LIM	
1	09	EOTH	0002000		0000000	82095	0000000	0000000	
2	FF		0		0		0	0	
3	--		0		0		0	0	
4	--		0		0		0	0	
5	--		0		0		0	0	
6	--		0		0		0	0	
PART NUMBER	MDS	KFAC	KDATE	STOCK-NO	DT-PN-EST				
HS763891	F015B	0250	82095	2915	83244				
CAT-NO	TLCC	LIFE-LIM	LIFE-DT	DEPOT-BLD	DEPOT-DT	ORG-LIM	ORG-DT	DESIGN-LIM	
1	09	EOTH	0002000	83244	0000000	83244	0000000	83244	0000000
2	FF		0		0		0	0	
3	--		0		0		0	0	
4	--		0		0		0	0	
5	--		0		0		0	0	
6	--		0		0		0	0	

*** MORE DATA FOLLOWS; PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT ***

H9902590

Figure 3-117. A271-2 Part Number Master Record (Option 2)

CEMRA271 PART NUMBER MASTER III 03/01/99 1231 CED042.MRA271.A3SA
 CII: LF10011 OPTION: 3 P/N: PAGE: 1

PART NUMBER	MDS	TYPE-CHNG	TLCC	DATE-OF-CHNG	PREV-VALUE	EQUIP-SPEC
HS763891	F015A	X	FHRN	84017	00000000000	DJC
HS763891	F015B	X	FHRN	84017	00000000000	DJC
HS763891	F015C	X	FHRN	84017	00000000000	DJC
HS763891	F015D	X	FHRN	84017	00000000000	DJC
HS763891	F016A	X	FHRN	84017	00000000000	DJC
HS763891	F016B	X	FHRN	84017	00000000000	DJC
HS763891L11	F015A	X	FHRN	84017	00000000000	DJC
HS763891L11	F015B	X	FHRN	84017	00000000000	DJC
HS763891L11	F015C	X	FHRN	84017	00000000000	DJC
HS763891L11	F015D	X	FHRN	84017	00000000000	DJC
HS763891L13	F015A	X	FHRN	84017	00000000000	DJC
HS763891L13	F015B	X	FHRN	84017	00000000000	DJC
HS763891L13	F015C	X	FHRN	84017	00000000000	DJC
HS763891L13	F015D	X	FHRN	84017	00000000000	DJC
HS763891L14	F015A	X	FHRN	84017	00000000000	DJC
HS763891L14	F015B	X	FHRN	84017	00000000000	DJC
HS763891L14	F015C	X	FHRN	84017	00000000000	DJC

*** MORE DATA FOLLOWS; PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT ***

H9902591

Figure 3-118. A271-3 Part Number Master Record (Option 3)

PROGRAM CEMRA275 07/07/98 1427 1534 HISTORY PCN: CED042.MRA275.A1SA
 CII: AF10010 SERIAL-NO: PW0E680523 OPTION: 1 START-DATE: END-DATE:
 LPAGE: OPT:H=A205 S/L=A240/1 G/I=A251/2 J=A265 K=A277 E=EA03 PAGE: 1

SEQNO	S	DATE	SRAN	TC	T	CMD	A	MDS	END-ITEM	FHR	TFSR	RR	P	O	PD	PC
0603988	0	91181	5270	VA	T	ORB	A	F015C	78000000547	02703			2		91189	
0904427	0	91273	5270	VA	T	ORB	A	F015C	78000000547	02736			2		91275	
1002607	0	91278	5270	LF	R	ORB	A			02746		200	A		91287	
1002638	0	91279	5270	JF	R	ORB	A						A		91287	
1002639	0	91280	5270	FB	R	ORB	A					200	A		91288	
1002640	0	91281	5270	VA	R	ORB	A	F015C	78000000547	02746			2	A	91288	
1102206	0	91317	5270	LF	R	ORB	A			02774		208	A		91321	
1103710	0	91326	5270	JF	R	ORB	A						A		91329	
1103906	0	91329	5270	HF	R	ORB	A	F					A		91330	
1200199	0	91336	5270	JF	R	ORB	A						A		91338	
1200549	0	91339	5270	EF	R	ORB	A						A		91342	
0101700	0	92013	5270	HF	R	ORB	A	F					A		92014	
0140617	0	92022	5270	JF	R	ORB	A						A		92030	
0142019	0	92029	5270	HF	R	ORB	A	F					A		92030	
0142162	0	92030	5270	JF	R	ORB	A						A		92033	
0142452	0	92031	5270	HF	R	ORB	A	F					A		92034	

* * * MORE DATA TO FOLLOW PRESS PA1 KEY * * *

PF7=PREV; PF2=TOP; PF9=BOT; PRESS PA2, THEN CLEAR KEY TO EXIT THIS PROGRAM

H9902592

Figure 3-119. A275-1 AF Form 1534 History (Option 1)

PROGRAM CEMRA275 11/02/98 1613 1534 HISTORY PCN: CED042.MRA275.A1SA
 CII: AF11810 SERIAL-NO: GE0E537101 OPTION: 2 START-DATE: END-DATE:
 LPAGE: OPT:H=A205 S/L=A240/1 G/I=A251/2 J=A265 K=A277 E=EA03 PAGE: 1

SEQNO	S	DATE	SRAN	TC	T	CMD	A	TIME	PREDT	PRE-SEQ	PS	PTC	PA	LOC	O	PDATE	P-CD
0300024	0	96065	4625	SB	R	1C	S	1130	94253	RETIRE	0	RB	S	C	A	96065	#
0300126	0	96065	3020	RB	R	0J	S	1500	96065	RETIRE	0	SB	S	C	F	96066	#
0400027	0	97101	3028	RB	R	0J	S	0900	97101	RETIRE	0	SB	S	C	F	97104	#
0400508	0	97101	3020	SB	R	0J	S	0800	96065	RETIRE	0	RB	S	C	F	97101	#

* * * END OF DATA * * *

PF7=PREV; PF2=TOP; PF9=BOT; PRESS PA2, THEN CLEAR KEY TO EXIT THIS PROGRAM

H9902593

Figure 3-120. A275-2 AF Form 1534 History (Option 2)

PROGRAM CEMRA275 11/02/98 1613 1534 HISTORY PCN: CED042.MRA275.A1SA
 CII: AF11810 SERIAL-NO: GE0E537101 OPTION: 3 START-DATE: END-DATE:
 LPAGE: OPT:H=A205 S/L=A240/1 G/I=A251/2 J=A265 K=A277 E=EA03 PAGE: 1

SEQNO	SDATE	SRAN	TC	T	CMDO	AMDS	END-ITEM	FHR	TFSR	RR	P	PDATE	TERM-ID	PC
0300024096065	4625	SB	R	1C	A	S9606201GE0E537101		3020960	1	96065		CETJH	#	
0300126096065	3020	RB	R	0J	F	S9606201GE0E537101		960	1	96066		CEPLL	#	
0400027097101	3028	RB	R	0J	F	S7101710GE0E537101		710	1	97104		CEEWF	#	
0400508097101	3020	SB	R	0J	F	S7101710GE0E537101		3028710	1	97101		CEPLL	#	

* * * END OF DATA * * *

PF7=PREV; PF2=TOP; PF9=BOT; PRESS PA2, THEN CLEAR KEY TO EXIT THIS PROGRAM

H9902594

Figure 3-121. A275-3 AF Form 1534 History (Option 3)

CEMRA276 CATALOG NUMBER TABLE 07/12/02 1454 PCN: CED042.MRA276.A1SA PAGE: 1

CATNO	METHOD	TLC	DEC	CATNO	METHOD	TLC	DEC	CATNO	METHOD	TLC	DEC
04	LOW CAL CY	LCC	1	05	NR ENG RUN	RUN	0	06	EMERG W/O	EWO	0
07	CYCLE/SORT	SOR	0	08	CAL CYCLES	CCY	0	09	ENG OPER T	EOT	1
10	MAJOR CYC	MAJ	0	11	FLY TIME	FHR	1	12	ELAP DAYS	DAY	0
13	EGT855/870	EG8	2	14	EGT890/905	EG9	2	15	MAN CYCLES	MAN	0
16	LCF	LCF	0	17	HOT SEC 1	HS1	2	18	HOT SEC 2	HS2	2
19	INST SHTDN	CSC	0	20	NR OF FLTS	FLT	0	23	MINOR CYC	MIN	0
24	CAL DATE	CAL	0	25	TAC CYCLE	TAC	0	26	IN FLT SHT	FSD	0
27	WT.OFF WLS	WOW	2	28	TAC CYCLES	TCY	0	31	TA 790/845	T78	2
32	TA 810/830	TT8	2	36	EVENT 550	EV5	0	37	EVENT 790	EV7	0
40	CYCLES	CYC	2	41	FAN LUCS	FLL	0	42	HPC LUCS	CLL	0
43	DIF LUCS	DLL	0	44	HPT LUCS	HLL	0	45	LPT LUCS	LLL	0
46	HPT HUCS	HAL	0	47	LPT HUCS	LAL	0	48	NOZ HUCS	NLL	0
49	BEAR LUCS	BLL	0	50	CPU COUNTS	CPU	0	51	IBR MIN.	IBR	2
52	HSP COUNTS	HSP	0	53	ERL HOURS	ERL	1	59	LCY	LCY	0
60	FTC CYCLE	FTC	0	61	CIC CYCLE	CIC	0	62	A/B CYCLE	ABC	0
63	A/B TIME	ABT	1	64	EQ LCF	ELC	0	65	TAT LEV 1	TT1	1
66	TAT LEV 2	TT2	1	67	TAT LEV 3	TT3	1	68	TAT LEV 4	TT4	1
69	TAT LEV 5	TT5	1	70	EQ TAT	ETT	1	71	V-MAX TIME	VMX	2
72	LCF (IV)	CY4	0	73	HOT SEC 3	HS3	2	74	HOT SEC 4	HS4	2

* MORE DATA, PRESS PA1 *

H9902595

Figure 3-122. A276 Catalog Numbers Table

```

CEMRA277 UPDATE HISTORY SUMMARY I 11/14/01 1640 CED042.MRA277.A1SA
CII: DF10030 SN: PW0F010321 OPTION: 1 QUAL: START: END: TRAN:
OPT: E=EA03 F=EA04 G=A251 H=A205 I=A252 J=A265 L=A241 N=A275 S=A240 LPAGE:
  TDATE TIME PDATE SEQ-NO CAT 1 CAT 2 CAT 3 CAT 4 TC
00249 0100 00250 0900321 11 2662.6 09 3788.0 15 1693 16 18519 LL
00257 0100 00257 0900717 11 2662.6 09 3788.0 15 1693 16 18519 6D
01078 1321 01078 0310996 11 2662.6 09 3788.0 15 1693 16 18519 6N
01078 1405 01078 11 2662.6 09 3788.0 15 1693 16 18519 65
01078 1411 01078 11 2662.6 09 3788.0 15 1693 16 18519 65
01271 0758 01271 0917812 08 8900 6P
01271 0758 01271 0917812 11 2662.6 09 3788.0 15 1693 16 18519 6P
01271 0759 01271 0917814 11 2662.6 09 3788.0 15 1693 16 18519 FB
01271 0803 01271 0901826 11 2662.6 09 3788.0 15 1693 16 18519 6N
01283 0600 01283 1000349 11 2662.6 09 3788.0 15 1693 16 18519 6N
01297 0900 01297 1000892 11 2662.6 09 3788.0 15 1693 16 18519 VA

```

```

* * END OF DATA * * TSO A277 PROVIDES ON/OFF LINE HISTORY * PAGE: 1
PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

```

H9902596

Figure 3-123. A277-1 Update History Summary (Option 1)

CEMRA277 UPDATE HISTORY SUMMARY II 11/14/01 1639 CED042.MRA277.A2SA
 CII: DF10030 SN: PW0F010321 OPTION: 2 QUAL: START: END: TRAN:
 OPT: E=EA03 F=EA04 G=A251 H=A205 I=A252 J=A265 L=A241 N=A275 S=A240 LPAGE:
 KEY TDATE SRAN CM AIRCRAFT MDS-SN EHR-ETTR TC SEQNO M P MAINT TERM-ID

00039	00249	5587	OD	F015C	PW0E712189		LL	0900321	B	879	CEKVH
00040	00257	UNKN		F015C		SRAN CHG	6D	0900717	B		CEKVH
00041	01078	2039		F015C			6N	0310996	B		CECES
00042	01078	2039	OD	CCYV	0006930		65		B		CECES
00043	01078	2039	OD	CCYV	0006855		65		B		CECES
00044	01271	2039	OD	CCYV	0008900	V	6P	0917812		SNLIM	CERJS
00045	01271	2039	OD	CCYV	0008900	V	6P	0917812	C	SNLIM	CERJS
00046	01271	2039		F015C			FB	0917814	B		CERJS
00047	01271	OCSU		F015C			6N	0901826	B		CERJS
00048	01283	6022		F015C			6N	1000349	B		CE4TR
00049	01297	6022	OD	F016A	PW0E697185		VA	1000892	B		CE4TR

* * END OF DATA * * TSO A277 PROVIDES ON/OFF LINE HISTORY *
 PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

PAGE: 1

H9902597

Figure 3-124. A277-2 Update History Summary (Option 2)

```

CEMRA277 UPDATE HISTORY SUMMARY III 11/14/01 1642 CED042.MRA277.A3SA
CII: DF10030 SN: PW0F010321 OPTION: 3 QUAL: START: END: TRAN:
OPT: E=EA03 F=EA04 G=A251 H=A205 I=A252 J=A265 L=A241 N=A275 S=A240 LPAGE:
KEY TDATE SRAN CM AIRCRAFT MDS-SN EHR-ETTR TC SEQNO M P MAINT TERM-ID
00039 00249 5587 0D F015C PW0E712189 LL 0900321 B 879 CEKVH
11 2662.6 09 3788.0 15 1693 16 18519 17 325.70 18 1.03
62 15457 63 129.6 71 0.00 72 38443 73 194.40 74 106.99
77 2386.2
00040 00257 UNKN F015C SRAN CHG 6D 0900717 B CEKVH
11 2662.6 09 3788.0 15 1693 16 18519 17 325.70 18 1.03
62 15457 63 129.6 71 0.00 72 38443 73 194.40 74 106.99
77 2386.2
00041 01078 2039 F015C 6N 0310996 B CECES
11 2662.6 09 3788.0 15 1693 16 18519 17 325.70 18 1.03
62 15457 63 129.6 71 0.00 72 38443 73 194.40 74 106.99
77 2386.2
00042 01078 2039 0D CCYV 0006930 65 B CECES
11 2662.6 09 3788.0 15 1693 16 18519 17 325.70 18 1.03
62 15457 63 129.6 71 0.00 72 38443 73 194.40 74 106.99
77 2386.2

```

* MORE DATA PRESS PA1 KEY * TSO A277 PROVIDES ON/OFF LINE HISTORY *PAGE: 1
 PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

H9902599

Figure 3-125. A277-3 Update History Summary (Option 3)

CEMRA277 UPDATE HISTORY SUMMARY IV 11/14/01 1643 CED042.MRA277.A4SA
 CII: DF10030 SN: PW0F010321 OPTION: 4 QUAL: START: END: TRAN:
 OPT: E=EA03 F=EA04 G=A251 H=A205 I=A252 J=A265 L=A241 N=A275 S=A240 LPAGE:

TDATE	TIME	PDATE	TC	T	SRAN	CM	O	TERM-ID	AIRCRAFT	MDS	SN	PMMMAINT	NT	LTH	UPKEY
00249	0100	00250	LL	R	5587	OD	A	CEKVH	F015C	PW0E712189	B879	B	13	167	00039
00257	0100	00257	6D		UNKN		A	CEKVH	F015C			B	13	167	00040
01078	1321	01078	6N	R	2039		A	CECES	F015C			B	13	167	00041
01078	1405	01078	65	C	2039	OD		CECES	CCYV	0006930		B	13	167	00042
01078	1411	01078	65	C	2039	OD		CECES	CCYV	0006855		B	13	167	00043
01271	0758	01271	6P	R	2039	OD		CERJS	CCYV	0008900		SNLIM	13	167	00044
01271	0758	01271	6P	R	2039	OD		CERJS	CCYV	0008900		CSNLIM	13	167	00045
01271	0759	01271	FB		2039		A	CERJS	F015C			B	13	167	00046
01271	0803	01271	6N	R	OCSU		F	CERJS	F015C			B	13	167	00047
01283	0600	01283	6N	R	6022		Y	CE4TR	F015C			B	13	167	00048
01297	0900	01297	VA	R	6022	OD	Y	CE4TR	F016A	PW0E697185		B	13	167	00049

* * END OF DATA * * TSO A277 PROVIDES ON/OFF LINE HISTORY *
 PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP

PAGE: 1

H9902600

Figure 3-126. A277-4 Update History Summary (Option 4)

PROGRAM CEMUA280	TLCC FILE MAINTENANCE	PCN: CED042.MUA280.A1SA
	05/12/92 1335	
TRANS: C	PASSWORD:	CII: PF10058
		TLCC: CCYN
EQUIPMENT-SPECIALIST-CD: CEC	CATALOG-NO: 08	LIFE-LIMIT: 0019999
PART-NUMBER: 4067621	MDS:	DEPOT-BUILD-LIMIT: 0000000
TLCCS CHANGED:	9	ORG-INTER-LIMIT: 0000000
		DESIGN-LIMIT: 0000000

H9902601

Figure 3-127. A280 Type Limit Code and Category (TLCC File Maintenance)


```

CEMUA295          AUTOMATED HISTORY PROGRAM          PCN: CED042.MUA295.A1SA
TRANS: I      CII: AF12910      SERIAL: GE0E538133      10/20/00 0953
I=INQ,  A=ADD,  C=CHG,  D=DEL,  S=SCRL, W=WRAP-ADD, V=VIEW-RECORD
H=A205, N=A240, L=A241, G=A251, E=EA03
DATE TM/SQ LN      NARRATIVE TEXT

00152 2501 00 SEMI-ANNUAL RECORDS REVIEW COMPLETED THIS DATE, 52FW, SAB,GE
00152 2501 01 09126 *****CEGHT*****
00152 2501 02 *****
00161 1307 01 ** TCTO TO CLOSED STATUS  PROG. CEMUA240 BY: CEGHT      SRAN: 5621
00161 1307 02 2J-F110129-620      DC:0217895 INSP GENERATOR ROTORNUT FOR SEATING
00161 1307 03 PRV TCTO  ST: 21 OLD-PN: 9547M10G01      PRV-PN: 9547M10G01
00161 1307 04 CUR TCTO  ST: 03 NEW-PN:                  CUR-PN: 9547M10G01
00161 1307 05 STATUS DATE: 00161      PASS/FAIL: P
00179 1200 01 *
00179 1200 02 LBR-REMOVED          NHA:   F016C SN: 9000000829 SRAN: 5621 POS: 1
00179 1200 03 PN: 9547M10G01      RMV RSN: 804  RMVD FOR SCHEDULED MAINT/MOD
00179 1200 04 **** TLC      TC      TSN / LIMIT  TS OCM / LIMIT  TS OVHL / LIMIT
00179 1200 05 PART FHR      P      2089.0      NONE
00179 1200 06      EOT      P      2934.5      NONE

14 NARRATIVES LISTED  THERE ARE MORE NARRATIVES

```

H9902602

Figure 3-128. A295 Automated History Program

```

CEMUA301          BASE RECORD    01.002 13:09:49   PCN: CED042.MUA301.A1SA

      TRANS: I    PASSWORD:          SRAN: 4800

      COMMAND HOST: 1C              TILC POC: BRENDA BIAS/CEBB7
      TYPE FACILITY: B              E-MAIL: CEBB7@CEMS.OKC.DISA.MIL
      G081 LOC CODE: VKAG           PHONE: (405) 736-2899   DSN: 336-2899
      LOCATION CODE: C              FAX: (405) 736-2988   DSN: 336-2988
      TRANS METHOD: C               TECH CODE: PA
SRAN INDICATORS: PC
      SRAN DESCR: LANGLEY 1 FW      OFFICE SYMBOL: (LLOB)
      LINE1 ADDRESS: FJ 4800
      LINE2 ADDRESS: 1 LSS/LLOB
      LINE3 ADDRESS: 210 E FLIGHTLINE RD
      LINE4 ADDRESS: LANGLEY AFB VA 23665-5000
      LINE5 ADDRESS:
      ENG MGR NAME: REGINA MELTON/CERDM          DSN: 574-4200
      MGR E-MAIL:
      MGR DUTY PHONE: (757) 764-4200          EXT:
      ALT ENG MGR: SSGT JAMES J BOYLE/CEJB2     DSN: 574-5225
      ALT E-MAIL:
      ALT DUTY PHONE: (757) 764-5225          EXT:
      FAX: (757) 764-4498          DSN: 574-4498

```

H9902603

Figure 3-129. A301 Base Record

CEMUA302	AIRCRAFT-RECORD		98.306 15:41:32 PCN:CED042.MUA302.A1SA		
TRANS I	PASSWORD	MDS __F015C	AIRCRAFT-SER 8400000014		
SRAN-BASE 5621	COMMAND 0D	OWNERSHIP-ACCT-CODE A	AIRCRAFT-STATUS A		
DELETE-CODE	DELETE-DATE				
		NO-ENGINES-REQUIRED	FAMILY-GROUP-CODE		
PRIME-ENGINES	02		ICU		
SECOND-PRIME-ENGINES	0				
AUXILIARY-ENGINES	0				
ENGINES-INSTALLED					
ENGINE-ID	WUC	ENGINE-SERIAL	ENGINE-ID	WUC	ENGINE-SERIAL
YD	23Z00	PW0E681424	YD	23Z00	PW0E680648

H9902604

Figure 3-130. A302 Aircraft Record

CEMUA303	FAMILY-GROUP-HEADER-TABLE	PCN:CED042.MUA303.A1SA 98306
TRANS I	PASSWORD	FAMILY-GROUP-CD FGN
PRIME-ALC-CD A	NATIONAL STOCK NUMBER 2840	ENGINE ITEM MANAGER
MDS LIST	** NOTE ** USE EXTREME CAUTION WITH DELETE TRANS	
B052G	NKC135A	
TMSM LIST		
J0057043WA	J0057043WB	
MESSAGES		OVERRIDE?
ACTIVITY ACCEPTED:	RECORD DISPLAYED	

H9902605

Figure 3-131. A303 Family Group Header Table

CEMUA304 TRANS-COND-CODES 98.306 15:51:36 PCN:CED042.MUA304.A1SA

TRANS: I PASSWORD: TRANS-CONDITION-CD: LL

TRC-VALID: Y K-VALID:

***** VALID-FOLLOWING-CD *****
 NL SL

***** VALID-FOLLOWING-TRC-CD *****
 JL MK

***** VALID-FOLLOWING-K-CD *****

 NOUN: REMOVE OTHER-MAJOR
SEGMENT PROCESSED SUCCESSFULLY

H9902606

Figure 3-132. A304 TCCs

PROGRAM CEMUA305 01/31/02 1235 PCN: CED042.MUA305.AISA
 CII FILE MAINTENANCE/ENGINE CONFIGURATION
 TRANS: I CII: PF11941 PASSWORD: NOUN: EHSV MODULEE
 ITEM TYPE: C LLCR D/B/P: B QPA: 03 NHA: HF11940 CI-EHR: N/A PT POS SENS: Y
 WUC: 32211 TMSM: BOMP SUB: INDENTURE LEVEL: 4 BC: N

CAT	TLC	INS/REM-VAR	UPDT-LIM	EXT-FLGT	CAT	TLC	INS/REM-VAR	UPDT-LIM	EXT-FLGT
11	FHR	00000	00000	00000	05	RUN	00000	00000	00000
09	EOT	00250	00250	00000	15	MAN	00000	00000	00000
16	LCF	00000	00000	00000	17	HS1	00000	00000	00000
18	HS2	00000	00000	00000	19	CSC	00000	00000	00000
20	FLT	00000	00000	00000	41	FLL	00000	00000	00000
42	CLL	00000	00000	00000	43	DLL	00000	00000	00000
44	HLL	00000	00000	00000	45	LLL	00000	00000	00000
46	HAL	00000	00000	00000	47	LAL	00000	00000	00000
48	NLL	00000	00000	00000	49	BLL	00000	00000	00000
50	CPU	00000	00000	00000	51	IBR	00000	00000	00000
52	HSP	00000	00000	00000	62	ABC	00000	00000	00000
63	ABT	00000	00000	00000	72	CY4	00000	00000	00000
73	HS3	00000	00000	00000	74	HS4	00000	00000	00000
77	IFT	00000	00000	00000					

REQUESTED DATA

H9902607

Figure 3-133. A305 CII File Maintenance/Engine Configuration

PROGRAM CEMUA306 03/01/03 1456 PCN: CED042.MUA306.A1SA
MISSION PROFILE TABLE
TRANS: I PASSWORD
MISSION PROFILE CODE AARM
ENGINE OPERATION MODE F
NOUN AIR TO AIR REFUEL MISSION

REQUESTED DATA

H9902608

Figure 3-134. A306 Mission Profile Table

PROGRAM CEMUA307 05/04/00 0937

PCN: CED042.MUA307.A1SA

CAMS INITIALIZATION DATA

TRANS: I PASSWORD:

SRAN: 4808

ENGINE-ID: X6

SRD: X1E

PEC: 0207130F

UNIT-ID: K

WORK-CENTER: EMGR

H9902610

Figure 3-135. A307 CAMS Initialization Data

CEMUA308 COMMAND-CODES 98.306 15:55:25 PCN:CED042.MUA308.A1SA

 TRANS: I PASSWORD:

COMMAND MAJOR: 1C SUB:

COMMAND-SYMBOL: HQ CMB COMMAND-NAME: AIR COMBAT COMMAND

COMMAND-ABBRV: CMB SUB-COMMAND-NAME: N/A

SUB COMMAND LIST :

 A B D E H J

INQUIRY PROCESSED SUCCESSFULLY

H9902611

Figure 3-136. A308 Command Codes

CEMUA309 AUTO-RESUPPLY-TABLE 98.306 16:01:50 PCN:CED042.MUA309.A1SA
TRANS: PASSWORD: FAMILY-GROUP-CD: ICU SRAN: 4887
COMMAND-CD: 1C COMMAND-ABBRV: CMB NORMAL-LEVEL: 000 RESUPPLY-CD:

TARGET-SERVICEABLES: 000 LAST-CHANGE-DATE: 93280

REQUESTED INQUIRY FOUND

H9902612

Figure 3-137. A309 Automatic Resupply Table

```

PROGRAM CEMUA310  03/01/99  1502                PCN: CED042.MUA310.A1SA
                EQUATION CONSTANT UPDATE PROGRAM

TRANS: I   PASSWORD:                CII: AF10110

K-FACTOR/C1:      0.0000000000      NOUN: F101-GE102 ENGINE, TURBOFAN
C2:              0.0000000000      ITEM TYPE:      E
C3:              0.0000000000      QPA:          01
C4:              0.0000000000      NHA:
C5:              0.0000000000      CI-EHR:       LF1011G
C6:              0.0000000000      WUC:          23Z00
C7:              0.0000000000      INDENTURE LEVEL:  2
C8:              0.0000000000      TRACKING LEVEL:   B
C9:              0.0000000000

EQUATION TYPE:    3

```

REQUESTED DATA

H9902613

Figure 3-138. A310 Equation Constant Update Program

CEMUA311 SPECIAL STATUS CODE TABLE 99060 PCN: CED042.MUA311.A1SA
TRANS I PASSWORD SPECIAL STATUS CODE LTF
NOUN LEAD THE FLEET

MESSAGES

ACTIVITY ACCEPTED: RECORD DISPLAYED

H9902614

Figure 3-139. A311 Special Status Code Table

PROGRAM CEMUA312 03/02/99 0957 PCN: CED042.MUA312.A1SA

MASTER GROUPING TABLE

TRANS: I PASSWORD

REPORTING COMBINATION

ENGINE F0110100

AIRCRAFT F016C

ACTUARIAL COMBINATION

ENGINE F 110GE100

AIRCRAFT F 16

REQUESTED DATA

H9902615

Figure 3-140. A312 Master Grouping Table

PROGRAM CEMUA314 03/02/99 1003 CATALOG NUMBER TABLE PCN: CED042.MUA314.A1SA

TRANS: I PASSWORD

CATALOG NUMBER	09
METHOD	ENG OPER T
TLC	EOT
DECIMAL	1

REQUESTED DATA

H9902616

Figure 3-141. A314 Catalog Number Table

PROGRAM CEMUA315 03/02/99 1009 ENGINE ID TSM TABLE PCN: CED042.MUA315.A1SA
TRANS: I PASSWORD ENGINE ID: X1 WORK UNIT CODE: 23Z00
TSM: F0100100 FAMILY GROUP CD: ICW PRIME AUX CD: 1 PRIME ALC CD: B
ITEM MANAGER CD: 1 TYPE ENGINE CD: A CII: AF10010 ENGINE CII: AF10010
MAX TIME: 00000 TRANSFER TIME: 00000 UNIT COST: 02650258
NHA DESIGNATOR: F100100 ECON RET STOCK: 0000 CONT RET STOCK: 0000
NUM RET STOCK: 0000 POT DOD EXCESS: 0000 ACQ DATE:
MFG NAME: P/W

REQUESTED DATA

H9902617

Figure 3-142. A315 Engine ID TSM Table

PROGRAM CEMUA316 03/15/99 1349 PCN: CED042.MUA316.A1SA
ERROR RETURN CODE TABLE
TRANS: I PASSWORD

ERROR RETURN CODE	126
CORRECTION LEVEL	M
NOUN	EOT/ENG HRS > PREV RPT 10 HRS

REQUESTED DATA

H9902618

Figure 3-143. A316 Error Return Code Table

CEMUA317 REASON-FOR-REMOVAL-CODES 98306 170315 PCN:CED042.MUA317.A1SA
TRANS I PASSWORD REMOVAL-REASON 200
NOUN OIL LEAKAGE

MESSAGES

ACTIVITY ACCEPTED: RECORD DISPLAYED

H9902619

Figure 3-144. A317 Reason for Removal Codes and/or Return to Overhaul Codes

CEMUA318

00.125 09:48:12 PCN:CED042.MUA318.A1SA

TMSM(CAMS) TO TMSM(NON-CAMS) CONVERSION TABLE

TRANS: _ PASSWORD:

CAMS-TMSM: _____ NON-CAMS-TMSM: _____

H9902621

Figure 3-145. A318 TMSM (CAMS) to TMSM (Non-CAMS) Conversion Table

```

CEMUA319    OFFICIAL FAILURE RATES      99062 0943          PCN: CED042.MUA319.A1SA
ACT. COMB   : J  79GE15  F  4          COMMAND           :
MAX TIME    : 0001200    BASE PERIOD    : 177 - 277        NO. OH QTRS.    : 02
DEPEND. INDEX: 100          JEIM RET. RATE: 0940          NO. BM QTRS.    : 02
NR. INTERVALS: 060        PRIME ALC CODE: A              NO. COMB QTRS.  : 02
TYPE TRANS  : I           TYPE RATE      : C              SIZE AGE INT.   : 020
PROJECT BM AND OH FROM COMB:          PASSWORD           :

```

----- FAILURE RATES BEGINNING WITH AGE INTERVAL 00000 -----

```

0763 0237 0223 0183 0167 0217 0317 0403 0434 0423 0381 0352 0344 0360 0389
0409 0424 0415 0379 0350 0357 0374 0365 0375 0438 0612 0923 1322 1671 1862
1811 1449 0943 0506 0301 0339 0436 0485 0446 0411 0431 0466 0524 0568 0591
0588 0562 0563 0597 0664 0711 0691 0568 0416 0645 0649 0653 0657 0661 0665

```

END OF DATA

H9902622

Figure 3-146. A319 Official Failure Rate Table

PROGRAM CEMUA320 04/05/99 0957 PCN: CED042.MUA320.A1SA

IMS TERMINAL ACCESS TABLE MAINTENANCE

TRANS: I PASSWORD: TERMINAL ID: CEELF LOCATION: ANG, MN DULUTH

TERMINAL OPR NAME: MSGT ED FREDERICK AUTOVON: 825-7385

TERMINAL OPR ORGANIZATION: 148 FW/LGLE TELEPHONE: 218 723 7385

CLASS: B MONTH: 04 PRINTER ID: VTACMN01

PREV MONTH TRAN COUNT: 00271 CURR MONTH TRAN COUNT: 00003

AUTHORIZED SRANS:

6232

ENTER TRANS L FOR OPR LIST

REQUESTED DATA

H9902623

Figure 3-147. A320 IMS Terminal Access Table Maintenance

PROGRAM CEMUA321 04/08/99 1725 PCN:
CED042.MUA321.A1SA

UNIT DATA TABLE MAINTENANCE

TRANS: I PASSWORD: SRAN: 5270 UNIT ID: A

UNIT CONTACT: 18TFW MR MOLLECK AUTOVON: 634-4293

UNIT OFFICE SYMBOL: MAME

H9902624

Figure 3-148. A321 Unit Data Table Maintenance

PROGRAM CEMUA322 03/03/99 1024 PCN: CED042.MUA322.A1SA

CATEGORY OF AGING TABLE

TRANS: I PASSWORD: CII: AF10010

TLCC CODE: FHRB CATEGORY NOUN: 50 HOUR ENGINE INSPECTION

TYPE CATEGORY: I TYPE NOUN: INSPECTION

H9902625

Figure 3-149. A322 Category of Aging Table

CEMUA326 99.063 CEMS PARTS TRACKED/TMSM TABLE 13:42:01 PCN: CED042.MUA326.A1SA

CE108RSG SEGMENT -- TMSM TO TMSM APPLICABILITY

FUNC: I

- A - ADD RECORDS
- D - DELETE RECORDS
- I - INQUIRE
- V - BROWSE RECORDS
- S - SWAP TO PARTS TRACKED SCREEN

NHA-TMSM:	F0100220F	DATE EST.	TIME EST.	EST. BY
NLA-TMSM:	F010025B	1993050	1038	CE57014S
PASSWORD:				

REQUESTED DATA RETURNED.

H9902626

Figure 3-150. A326-1 TMSM to TMSM Table

CEMUA326 99.063 TSM/TSM APPLICABILITY TABLE 13:42:40 PCN: CED042.MUA326.A3SA
CE108RSG SEGMENT -- VIEW OPTION

FUNCTION: S - SWAP TO PARTS TRACKED SCREEN PAGE: 1
FUNG: V I - INQUIRY FOR SPECIFIC NHA-TSM,NLA-TSM
- OVERTYPE FIELDS WITH DESIRED VALUES
V - THIS SCREEN

NHA-TSM	NLA-TSM	DATE EST.	NHA-TSM	NLA-TSM	DATE EST.
F0100100A	F010023A	1993070	F0100200B	F010025G	1993319
F0100220F	F010025C	1993050	F0100220C	F010025F	1993050
F0100220E	F010025B	1993050	F0100100	F010023B	1993050
F0100200A	F010024GA	1993050	F0100220A	F010025A	1993050
F0100220F	F010034AA	1993050	F0100229A	F010026A	1993050
F0100100C	F010024A	1993050	F0100100C	F010023F	1993050
F0100200	F010034CA	1993050	F0100100	F010023G	1993050
F0100100A	F010034C	1993050	F0100220B	F010034C	1993050
F0100100C	F010023C	1993050	T0056009E	T0056C09	1993071
F0100220A	F010034C	1993050	F0100200B	F010024G	1993050
F0100100	F010024C	1994067	F0100220B	F010025F	1993050
F0100220B	F010025B	1993050	F0100220E	F010025G	1993050
F0100220C	F010034C	1993050	F0100200B	F010023C	1994067
F0100220F	F010034A	1993050	F0100200	F010024C	1993050

PF8=NEXT. PF9=BOTTOM.

H9902627

Figure 3-151. A326-2 TSM to TSM Table (View Option)

CEMUA326 99.063 CEMS PARTS TRACKED/TMSM TABLE 13:45:49 PCN: CED042.MUA326.A1SA

CE101RSV SEGMENT -- TYPE-MODEL/ENGINE-ID TABLE

FUNC: I

- A - ADD NEW TYPE-MODEL RECORD
- C - CHANGE APPLICABLE ENGINE-ID
- D - DELETE TYPE-MODEL RECORD
- I - INQUIRE SPECIFIC TYPE-MODEL
- V - BROWSE RECORD. ENTER SPECIFIC TYPE-MODEL OR SPACES
- S - SWAP TO TMSM SCREEN

TYPE-MODEL: F100

APPLICABLE ENGINE IDS

X1	X2	__	__	__	__	__	__	__	__
__	__	__	__	__	__	__	__	__	__
__	__	__	__	__	__	__	__	__	__

PASSWORD:

RECORD FOUND.

H9902628

Figure 3-152. A326-3 TMSM to TMSM Table (Inquiry Option)

PROGRAM CEMUA327

PCN: CED042.MUA327.A1SA

LOGICAL SEQUENCE TO PIPELINE CODE

PASSWORD:

(I)NQUIRE,(A)DD,(C)HANGE,(D)ELETE,(S)CROLL I

TRIGGER TRANSACTION CONDITION CODE:

BEGINNING TRANSACTION CONDITION CODE:

NEXT TRANSACTION CONDITION CODE:

BASE/DEPOT IND (B,D, OR SPACE):

PIPELINE CODE:	CONUS TO CONUS
PIPELINE CODE:	INTHEATER
PIPELINE CODE:	1-2 TO CONUS
PIPELINE CODE:	3 TO CONUS
PIPELINE CODE:	4 TO CONUS

IF POS 3 AND/OR 4 BLANK ENTER SPACE

H9902629

Figure 3-153. A327 Logical Sequence to Pipeline Code Table

PROGRAM CEMUA328 04/08/99 1733

PCN: CED042.MUA328.A1SA

PIPELINE CODE UPDATE

TRANS: I PASSWORD:

PIPELINE CODE: A1A

TITLE LINE 1: RMVL TO ST WK

TITLE LINE 2:

TITLE LINE 3:

REQUESTED DATA

H9902630

Figure 3-154. A328 Pipeline Code Update

PROGRAM CEMUA329 04/08/99 1737

PCN: CED042.MUA329.A1SA

PIPELINE STANDARDS

PASSWORD:

(I)NQUIRE,(A)DD,(C)HANGE,(D)ELETE,(S)CROLL I

TMSM: F0100100A

PIPELINE CODE: A1A

RMVL TO ST WK

STANDARD: 2.0

AREA 4:

LAST POSITION IS DECIMAL VALUE

REQUESTED DATA

H9902632

Figure 3-155. A329 Pipeline Standards Table

```

PROGRAM CEMUA331                      PCN: CED042.MUA331.A1SA
                LCN/CII CROSS-REFERENCE MAINTENANCE
TRANS: I  CII: PF11941 LCN: 732211    PASSWORD:          PAGE: 1

PART POS#          NOUN                PART POS#          NOUN
  A01  EHSV MODULE - FUEL FLOW        A02  EHSV MODULE-THERMAL RECIR
  A03  EHSV MODULE - BY PASS

```

I = INQUIRY, A = ADD, C = CHANGE, D = DELETE, L = LIST

H0201472

Figure 3-155.1. A331 Inquiry Screen

```

PROGRAM CEMUA331                      PCN: CED042.MUA331.A1SA
                LCN/CII CROSS-REFERENCE MAINTENANCE
TRANS: L  CII:          LCN:          PASSWORD:          PAGE: 1
CII/LCN    CROSS REF      POS  NOUN
AF11910    720000                F119 ENGINE, TURBOFAN
DF119C0    720510                CORE ENGINE MODULE
DF119F0    720410                INLET/FAN MODULE
DF119L0    720610                FAN DRIVE TURBINE MODULE
DF119N0    781010                NOZZLE MODULE
HF119H0    725110                HIGH PRES TURB ROTOR ASSY
HF119P0    781710                A01 SERVOCYL CONV NOZZLE (UP)
                                   A02 SERVOCYL CONV NOZZLE (LO)
HF119R0    781610                A01 SERVOCYL, DIVERG NOZ (UP)

```

PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT

H0201488

Figure 3-155.2. A331 List Screen

```

PROGRAM CEMUA333 01/03/02 10:28:59 PCN: CED042.MUA333.A1SA
INTERCHANGEABLE CII FILE MAINTENANCE
TRANS: I CII: PF11941 PASSWORD: INTERCHANGE SENS: Y
      CII      CII      CII      CII      CII
      PF11951

```

I = INQUIRY, A = ADD, C = CHANGE, D = DELETE, L = LIST
 INQUIRY OF PF11941 COMPLETE

H0201473

Figure 3-155.3. A333 Inquiry Screen

```

PROGRAM CEMUA333 01/03/02 10:29:47 PCN: CED042.MUA333.A1SA
INTERCHANGEABLE CII FILE MAINTENANCE
TRANS: L CII: AF11910 PASSWORD: INTERCHANGE SENS: Y PAGE: 1
CII - PF11921 MEC ACTUATOR SOLENOID PF11961 PF11942
CII - PF11922 SWITCH - REED , MEC PF11962
CII - PF11941 EHSV MODULEE PF11951
CII - PF11942 SOLENOID MODULE PF11961 PF11921
CII - PF11944 VLV LVDT PF11952
CII - PF11951 EHSV, AFC PF11941
CII - PF11952 LVDT, AFC PF11944
CII - PF11961 SOLENOID, A/I VALVE PF11921 PF11942
CII - PF11962 SWITCH-REED, A/I VALVE PF11922

PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT

```

H0201487

Figure 3-155.4. A333 List Screen

```
CEMUA400          ESTABLISH/MAINTAIN PART NUMBER MENU    CED042.MUA400.A1SA  
                  EQUIPMENT SPECIALIST CODE _____ PASSWORD      99.110 13:32:29  
FUNCT   CI           PART NUMBER                               MDS
```

FUNCTIONS

I	INQUIRY ON PART NUMBER	D	DELETE PART NUMBER
E	ESTABLISH PART NUMBER	C	CHANGE PART NUMBER ENTER NEW PART NUMBER
M	MODIFY PART NUMBER DATA	X	RETURN PART NUMBER MENU
F	FLEET UPGRADE BY MDS/PART NUMBER		

PF 1 WILL RETURN YOU TO CEMS MASTER MENU
ENTER EQUIP SPECIALIST CODE ONLY FOR MODIFY

H9902633

Figure 3-156. A400-1 Establish and/or Maintain Part Number Menu

CEMUA400 CHANGE PART NUMBER 99.110 14:20:08 CED042.MUA400.A2SA

 FUNCT C CI DF10040 PASSWORD

 SERIAL NUMBER _____

 OLD PART NUMBER

 MDS F015A

 NEW PART NUMBER 4070222-803

H9902634

Figure 3-157. A400-2 Change Part Number

CEMUA400			ESTABLISH PART NUMBER			CED042.MUA400.A3SA	
FUNCT	E	CI	DF10050	PART NUMBER	4070222-803	PASSWORD	99.110 14:17:42
MDS	F015A	FSC	_____	K-FACTOR	__.	K-DATE	99110 PN-DATE 99110
				K-FACTOR2	__.		
CATALOG	TLC	CATEGORY	LIFE	DEPOT	ORG	DESIGN	
NUMBER			LIMIT	LIMIT	LIMIT	LIMIT	
____	____	-	____	____	____	____	
DATE-SET			99110	99110	99110		
____	____	-	____	____	____	____	
DATE-SET			99110	99110	99110		
____	____	-	____	____	____	____	
DATE-SET			99110	99110	99110		
____	____	-	____	____	____	____	
DATE-SET			99110	99110	99110		
____	____	-	____	____	____	____	
DATE-SET			99110	99110	99110		

H9902635

Figure 3-158. A400-3 Establish Part Number

```

CEMUA400                                INQUIRE PART NUMBER                                CED042.MUA400.A4SA
FUNCT I CI DF10040 PART NUMBER 4070222-803      PASSWORD          99.110 13:33:47
      MDS   F015A  FSC 2840  K-FACTOR 0.2500  K-DATE 88272  PN-DATE 88272
                        K-FACTOR2 0.0000
CATALOG   TLC  CATEGORY  LIFE      DEPOT      ORG      DESIGN
NUMBER                                LIMIT      LIMIT      LIMIT      LIMIT
   08      CCY    V      0004000  0000000    0000000    0000000
DATE-SET                                88272      88272      88272
   15      MAN    N      0000000  0000000    0000000    0000000
DATE-SET                                88272      88272      88272
   16      LCF    N      0000000  0000000    0000000    0000000
DATE-SET                                88272      88272      88272
   72      CY4    N      0000000  0000000    0000000    0000000
DATE-SET                                88272      88272      88272

DATE-SET

DATE-SET

```

H9902636

Figure 3-159. A400-4 Inquire Part Number

```

CEMUA400                                MODIFY PART NUMBER DATA                                CED042.MUA400.A5SA
FUNCT M CI DF10040 PART NUMBER 4070222-803      PASSWORD          99.110 14:18:15
      MDS   F015A  FSC 2840  K-FACTOR 0.2500    K-DATE 88272  PN-DATE 88272
                                K-FACTOR2 0.0000
CATALOG   TLC  CATEGORY  LIFE      DEPOT      ORG      DESIGN
NUMBER                                LIMIT      LIMIT      LIMIT      LIMIT
   08     CCY    V      0004000  0000000    0000000    0000000
DATE-SET                                88272    88272    88272
   15     MAN    N      0000000  0000000    0000000    0000000
DATE-SET                                88272    88272    88272
   16     LCF    N      0000000  0000000    0000000    0000000
DATE-SET                                88272    88272    88272
   72     CY4    N      0000000  0000000    0000000    0000000
DATE-SET                                88272    88272    88272
____
DATE-SET  ____  ____  _____  _____  _____  _____
____
DATE-SET  ____  ____  _____  _____  _____  _____

```

KEY IN CHANGES, THEN PRESS ENTER

H9902637

Figure 3-160. A400-5 Modify Part Number Data

```
CEMUA400                                FLEET MODIFICATION                                CED042.MUA400.A6SA
FUNCT F CI FF10154 PART NUMBER ALL      PASSWORD      91.221 13:32:26
      MDS      B100B
CATALOG   TLC   CATEGORY   LIFE
NUMBER                                LIMIT
  09      EOT    N        0003000
ENTER CATLG NBR TLC VALUE CATEGORY      ALONG WITH LIFE LIMIT CHANGE
```

H9902638

Figure 3-161. A400-6 Fleet Modification

CEMUA400

PART NUMBER 83.070 15:52:52 CED042.BUA410.A10A
 DELETION NOTICE
 *** FAILURE ***

PART NUMBER HAS NOT BEEN DELETED
 * CI AF10010 *
 *
 * PART NUMBER 4045100 *
 *
 * MDS F015A *
 *
 * EQUIPMENT SPECIALIST CODE *

THIS PART NUMBER EXISTS ON CI/SN
 CI AF10010

 SERIAL NUMBER PW-E680610
 PART NUMBER 4045100

H9902639

Figure 3-162. A400-7 Part Number Deletion Notice (Failure)

CEMUA400

PART NUMBER 83.070 15:51:47 CED042.BUA410.A20A
DELETION NOTICE

THIS PART NUMBER HAS BEEN DELETED

*	CI AF10010	*
*		*
*	PART NUMBER 4045100-8	*
*		*
*	MDS FO15A	*
*		*
*	EQUIPMENT SPECIALIST CODE GRH	*

H9902640

Figure 3-163. A400-8 Part Number Deletion Notice

```

CEMRA415      TCTO FILE MAINTENANCE      PASSWORD      00.262 14:18:46

      TRANS I  DATA-CD 0214742 TCTO-NR 2J-F100-811_____ OLD-PN 4069100_____
NEW-PN 4075200_____ MODIF-NR _____ ADD-W-R Y SUFX ____ COMP-R-R Y STRUCT N
EXP-TIM 360 LEVEL D TYPE 3 WHN-ACC 7 SPEC-TOOL N KIT-REQ Y CI AF10010
PARTS Y   SAFE N   RELEASE-DT 30111990 RECISION-DT 15112002 FSC 2840 OPER-IND _
WEIGHT N TCTO-TITLE ENG_DISA/ASSY-UPGRADE_100/200TO220E EXCLUDE OWN-ACCT-CD _
KIT-ID 4077109_____ ECP 20903_____ ECP _____ ECP _____
AC-WTH-DC 0214760 DC 0214761 DC _____ DC _____ AC-AFT-DC 0214767 DC 0214768
DC _____ DC _____ DC _____ DC _____ DC _____ AC-PRI-DC 0214775
DC _____ DC _____ DC _____ PSC-CD 4 PCN _____ NEW-DC _____
PUB-DATE 14091990 TO-UPDATE 2000262 EQP-SPEC ____ INDENT 2 MDS _____
JACKET N CLASS IVB PART-NR-CHG Y ISSUE-ACT SA-ALC APPLIC-CODE 1
TOT-QTY-ITEMS-AFF 02560 TCTO-DESC-OF-CHANGE      PASS/FAIL N
      KLD EST-HR  START-SN      END-SN      KLD EST-HR  START-SN      END-SN
      _ 00400  PW0E680069  PW0E706762
                                                    H9902641

```

Figure 3-164. A415 TCTO File Maintenance

```
PROGRAM CEMUA460      01/31/02   0956      PCN: CED042.MUA460.A1SA

      PASSWORD          CHANGE/DELETE   CII/SERIAL NUMBER

      TRANS: C      OLD CII: PF119P1   OLD SERIAL NUMBER: RRRRRRRRRR

      NEW CII: PF119R1   NEW SERIAL NUMBER: RRRRRRRRRR

CII CHANGED          0 TCTOS &  0 INSPS TRNSFD TO CII
```

NOTE: IF A CII IS CHANGED, ALL ACTIVE TCTOS AND INSPECTIONS APPLICABLE TO OLD CII/SN WILL BE TRANSFERRED TO NEW CII/SN.

H9902643

Figure 3-165. A460 Change and/or Delete Serial Number


```

CEMUA465                SPECIAL STATUS                PCN: CED042.MUA465.A1SA
                                00.019 10:42:17
OPTION I      CII AF11010    S/N GE0E509200    PASSWORD
                                SWAP:  _
DATE  _____  TIME  _____
SPECIAL STATUS  _____  OPTION              SWAP  OPTIONS
TLCC            TACA            I    INQUIRY            H A205
                                S A240
S/N-LIMIT       0008798        A    ESTABLISH          L A241
                                A/B A252
                                D    DELETE            J A265
                                N A275
                                C    CHANGE            K A277
                                G A251
                                E EA03
                                P A295
TSN:            6612  TYPE-LIMIT: 3000 TAC/WP 06513 2JF110-6-4

```

H9902644

Figure 3-166. A465 Special Status Code File Maintenance

CEMS A480 INQUIRY DEFINITION

TIME- 09:35 TODAY'S DATE- 00/05/10 JULIAN DATE- 00.131

NUMBER OF DEFINITIONS- 1

CII- AF10810

DATA CODE- 0214995

ACCOMPLISHING SRAN- 2039

ACCOMPLISHING COMMAND- 1M

A480 INQUIRIES 1

**PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER TO CONTINUE**

H9902645

Figure 3-167. A480 Mass TCTO Update to 04 Status

CEMS A485 INQUIRY DEFINITION

TIME- 09:52 TODAY'S DATE- 00/06/28 JULIAN DATE- 00.180

DATA CODE-

ACCOMPLISHING SRAN-

TOTAL MANHOURS-

CII-

MDS-

CURRENT STATUS CODE-

PART NUMBER-

NEW STATUS CODE-

NEW PART NUMBER-

PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER TO CONTINUE

H0001631

Figure 3-168. A485 Mass TCTO Update to any Status by SRAN or Worldwide

QUARTERLY INVENTORY STATUS REPORT 4479

PAGE: 1

PREPARATION DATE 20 MAR 99 QUARTERLY INVENTORY STATUS REPORT PCN: CED042.BUA510.A10Q

SEQUENCE-CMD-END ITEM-END ITEM SERIAL NUMBER-POS NR PART I

FOR EXPLANATION OF AND PROCEDURES TO FOLLOW REFERENCE TO 00-25-254-1

IND	ENGINE	SERIAL	CMD	STATION	ACCT	TYPE	TRAN	NHA	NHA	POS
LEVEL	DESIGNATION	NUMBER	CODE	ORG	NUMBER	CODE	REPT DATE SEQ NR COND	DESIG	SERIAL NR	NR
2	TF0033007A	PW00660097	1LN	A	4479	A	T 99059 0300160 VA	C141B	6300008076	1
2	TF0033007A	PW00651645	1LN	A	4479	A	T 99059 0300083 VA	C141B	6300008076	2
2	TF0033007A	PW00651888	1LN	A	4479	A	T 99059 0300110 VA	C141B	6300008076	3
2	TF0033007A	PW00659801	1LN	A	4479	A	T 99059 0300131 VA	C141B	6300008076	4
2	TF0033007A	PW00651182	1LN	A	4479	A	T 99059 0300031 VA	C141B	6300008081	1
2	TF0033007A	PW00659839	1LN	A	4479	A	T 99059 0300134 VA	C141B	6300008081	2
2	TF0033007A	PW00651227	1LN	A	4479	A	T 99059 0300034 VA	C141B	6300008081	3
2	TF0033007A	PW00659960	1LN	A	4479	A	T 99059 0300149 VA	C141B	6300008081	4
2	TF0033007A	PW00651752	1LN	A	4479	A	T 99059 0300096 VA	C141B	6300008082	1
2	TF0033007A	PW00659886	1LN	A	4479	A	T 99059 0300140 VA	C141B	6300008082	2
2	TF0033007A	PW00660120	1LN	A	4479	A	T 99059 0300164 VA	C141B	6300008082	3
2	TF0033007A	PW00650916	1LN	A	4479	A	T 99059 0300001 VA	C141B	6300008082	4
2	TF0033007A	PW00651038	1LN	A	4479	A	T 99059 0300016 VA	C141B	6400000611	1
2	TF0033007A	PW00659847	1LN	A	4479	A	T 99059 0300135 VA	C141B	6400000611	2
2	TF0033007A	PW00659698	1LN	A	4479	A	T 99059 0300118 VA	C141B	6400000611	3
2	TF0033007A	PW00651145	1LN	A	4479	A	T 99059 0300029 VA	C141B	6400000611	4
2	TF0033007A	PW00651521	1LN	A	4479	A	T 99059 0300071 VA	C141B	6400000615	1
2	TF0033007A	PW00651743	1LN	A	4479	A	T 99059 0300093 VA	C141B	6400000615	2
2	TF0033007A	PW00651719	1LN	A	4479	A	T 99059 0300090 VA	C141B	6400000615	3
2	TF0033007A	PW00651290	1LN	A	4479	A	T 99059 0300041 VA	C141B	6400000615	4
2	TF0033007A	PW00659697	1LN	A	4479	A	T 99059 0300117 VA	C141B	6400000631	1
2	TF0033007A	PW00651277	1LN	A	4479	A	T 99059 0300039 VA	C141B	6400000631	2
2	TF0033007A	PW00651879	1LN		4479	A	T 99059 0300108 VA	C141B	6400000631	3
2	TF0033007A	PW00651116	1LN		4479	A	T 99059 0300026 VA	C141B	6400000631	4
2	TF0033007A	PW00651084	1LN	A	4479	A	T 99059 0300023 VA	C141B	6400000633	1
2	TF0033007A	PW00651483	1LN	A	4479	A	T 99059 0300068 VA	C141B	6400000633	2

H9902646

Figure 3-169. A510-1 Quarterly Inventory Status Report (Part I)

QUARTERLY INVENTORY STATUS REPORT										4479	PAGE: 8		
RECONCILIATION LISTING										PCN: CED042.BUA510.A20Q			
SEQUENCE-CMD-ENGINE TSM-ENGINE SERIAL NUMBER										PART II			
FOR EXPLANATION OF AND PROCEDURES TO FOLLOW REFERENCE TO 00-25-254-1													
IND	ENGINE	SERIAL	CMD	STATION	ACCT	TYPE	TRAN			NHA	NHA	SHIP TO	
LEVEL	DESIGNATION	NUMBER	CODE	ORG	NUMBER	CODE	REPT	DATE	SEQ NR	COND	DESIG	SERIAL NR	CMD BASE
2	F0117100	PW0E170081	1LN	A	4479	A	R	99064	0300535	FB			
2	TF0033007A	PW00650905	1LN	A	4479	A	R	98100	0400649	FB			
2	TF0033007A	PW00650914	1LN	A	4479	A	R	99063	0300488	SL			
2	TF0033007A	PW00650932	1LN	A	4479	A	R	98161	0601226	FB			
2	TF0033007A	PW00650965	1LN	A	4479	S	4	95198	0700831	RF			
2	TF0033007A	PW00651007	1LN	A	4479	A	R	99054	0201954	ML			
2	TF0033007A	PW00651050	1LN	A	4479	A	R	99042	0200941	FB			
2	TF0033007A	PW00651153	1L	A	4479	A	R	97057	0201188	FB			
2	TF0033007A	PW00651332	1LN	A	4479	A	R	98029	0101369	FB			
2	TF0033007A	PW00651481	1L	A	4479	A	R	99076	0301663	JF			
2	TF0033007A	PW00651494	1LN	A	4479	A	R	99076	0301662	JB			
2	TF0033007A	PW00651516	1LN	A	4479	A	R	99074	0301543	JB			
2	TF0033007A	PW00651705	1LN	A	4479	A	R	99068	0301292	FB			
2	TF0033007A	PW00651731	1LN	A	4479	A	R	98271	0902415	FB			
2	TF0033007A	PW00659795	1LN	A	4479	A	R	99068	0301294	FB			
2	TF0033007A	PW00659806	1LN	A	4479	A	R	99054	0300415	RF			
2	TF0033007A	PW00659892	1LN	A	4479	A	R	99069	0301325	GB			
2	TF0033007A	PW00659920	1LN	A	4479	A	R	99068	0301296	FB			
2	TF0033007A	PW00659965	1L	A	4479	A	R	99078	0301828	JB			
2	TF0033007A	PW00659976	1LN	A	4479	A	R	98275	1000270	FB			
2	TF0033007A	PW00659980	1LN	A	4479	A	R	99042	0200944	FB			
2	TF0033007A	PW00660001	1LN	A	4479	A	R	99054	0201927	FB			
2	TF0033007A	PW00660027	1LN	A	4479	A	R	99063	0300491	FB			

H990264

H9902647

Figure 3-170. A510-2 Quarterly Inventory Status Report (Part II)

QUARTERLY INVENTORY STATUS REPORT 4608 PAGE: 50

PREPARATION DATE 20 MAR 99 QUARTERLY INVENTORY STATUS REPORT PCN: CED042.BUA510.A30Q

SEQUENCE-COMMAND AIRCRAFT-MDS END-ITEM-SERIAL-NUMBER PART III

FOR EXPLANATION OF AND PROCEDURES TO FOLLOW REFERENCE TO 00-25-254-1

ENGINE	SERIAL	COMMAND	STATION	ACCOUNT	END ITEM	END ITEM
DESIGNATION	NUMBER	CODE	NUMBER	CODE	DESIGNATOR	SERIAL NUMBER
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8000000888
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000139
NO ENGINES	INSTALLED	1C	4608	A	AGM086C	8100000162
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000214
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000220
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000231
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000258
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000269
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000278
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000279
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000324
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000327
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000330
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000379
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000404
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000411
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000447
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8100000493
NO ENGINES	INSTALLED	1C	4608	A	AGM086B	8200000206
NO ENGINES	INSTALLED	1C	4608	A	AGM086C	8200000337

H9902648

Figure 3-171. A510-3 Quarterly Inventory Status Report (Part III)

QUARTERLY INVENTORY STATUS REPORT		4479	PAGE: 9
PREPARATION DATE 20 MAR 99			PCN: CED042.BUA510.A40Q
ENGINE MANAGER DATA		PART IV	
STATION NUMBER 4479			
RECONCILE THIS TO YOUR 1999 SEQUENCE NUMBER ** 0301846 IAW TO 00-25-254-1, PARA 8-2.3. **			
PART I			
INSTALLED	168		
PART II			
SERVICEABLE	18		
REPAIRABLE	5		
INSTALLED	0		

PART II TOTAL	23		
TOTAL UNITS	191		
I CERTIFY THAT THE DATA ON PARTS I, II AND III OF THIS REPORT HAS BEEN REVIEWED AND ADJUSTED, BY AF FORMS 1534 OR DELETE CERTIFICATION, TO REFLECT THE TRUE ENGINE REPORT OF THIS ACTIVITY. RETURN THE ORIGINAL, SIGNED COPY TO OC-ALC/TILC, SUITE 201a, 8855 59th STREET, TINKER AFB OK 73145-8806. SIGNATURE OF BASE ENGINE MANAGER			
			H9902649

Figure 3-172. A510-4 Quarterly Inventory Status Report (Part IV)

QUARTERLY INVENTORY STATUS REPORT 4800 PAGE: 15

SRAN DIRECTORY DATA

FOR SRAN: 4800

SRAN: 4800

COMMAND-HOST: 1C

OFFICE-SYMBOL: (LLOB)

ADDRESS: FJ 4800
1 LSS/LLOB
210 E FLIGHTLINE RD
LANGLEY AFB VA 23665-5000

ENG-MGR-NAME: REGINA MELTON/CERDM

DUTY-PHONE-NRS: (757) 764-4200

ENG-MGR-EXT:

ENG-MGR-DSN: 574-4200

ENG-MGR-EMAIL:

ENG-MGR-FAX: (757) 764-4498

MGR-FAX-DSN: 574-4498

ALT-ENG-MGR: SSGT JAMES J BOYLE/CEJB2

ALT-MGR-PHONE: (757) 764-5225

ALT-MGR-EXT:

ALT-MGR-DSN: 574-5225

ALT-MGR-EMAIL:

TECHNICIAN NAME: BRENDA BIAS/CEBB7

TECHNICIAN PHONE: (405) 736-2899

TECHNICIAN DSN: 336-2899

TECHNICIAN EMAIL: CEBB7@CEMS.OKC.DISA.MIL

COMMERCIAL-FAX: (405) 736-2988

COMM-FAX-DSN: 336-2988

H9902650

Figure 3-173. A510-5 Quarterly Inventory Status Report (Part V)

INVENTORY/OPERATING HOUR REPORT **SRAN: 2039** **1377**

TMSM	SERIAL NUMBER	CMD A T ORG C C	TRANS SEQ DATE	SEQ NUMBER	T C TO OR C C FROM	CON TYPE	TCN OR DOCUMENT NO	REM RSN	ENG TIME	CYCLE COUNT	RSN RTN	END-ITEM DESIG	END-ITEM SER NO	POS SPEC NO STAT
TF0033103	PW00643727	1MDX A R	98259	0904493	R B	TAJ6	FJ2037825960LT							000000.0

INVENTORY RESULTS: ON HAND _____
 NOT FOUND _____ LOCATION UNKNOWN
 IF NOT FOUND, DISPOSITION: DATE SHIPPED _____ SRAN _____ DOCUMENT NUMBER _____
 SIGNATURE: _____ DATE _____

INVENTORY/OPERATING HOUR REPORT **SRAN: 2039** **1378**

TMSM	SERIAL NUMBER	CMD A T ORG C C	TRANS SEQ DATE	SEQ NUMBER	T C TO OR C C FROM	CON TYPE	TCN OR DOCUMENT NO	REM RSN	ENG TIME	CYCLE COUNT	RSN RTN	END-ITEM DESIG	END-ITEM SER NO	POS SPEC NO STAT
TF0033103	PW00643727	1MDX A R	98259	0904493	R B	TAJ6	FJ2037825960LT							000000.0

INVENTORY RESULTS: ON HAND _____
 NOT FOUND _____ LOCATION UNKNOWN
 IF NOT FOUND, DISPOSITION: DATE SHIPPED _____ SRAN _____ DOCUMENT NUMBER _____
 SIGNATURE: _____ DATE _____

***** Bottom of Data *****

H9902651

Figure 3-174. A511 Print ALC Inventory in Stuffer Format

```
USER = CEPXM      ****D042A RECON SUBMISSION PANEL****  
  
A525-----  
  OUTPUT DATA - 1, 2, 3, 4 OR 5=====>  
                - ENTER NUMBER OF BASES TO BE RECONED  
  DEADLINE     - ENTER TOMORROW'S DATE=====>  
                  (I.E. 042888)                MMDDYY
```

H9902652

Figure 3-175. A525 D042A Recon Submission Panel

USER = CEPXM ****D042A RECON SUBMISSION PANEL****

```

A529-----
INPUT FILE      - CE.AM525(001,002,003,004 OR 005 =====>
ENTER TAPE LOC  - =====>
TAPE LABEL      - IF NOT 2 CHANGE TO 1,3,4,5 OR 6 =====>
PRINFFFFF      - PAPER A-BROWNLINER OR C-XEROX =====>  Y
COPIES          - ENTER NUMBER OF COPIES REQUIRED =====>  1
LOCAL PRINT     - ENTER PRINTER ID FOR LOCAL COPY =====>
                  IF YOU DON'T WANT A LOCAL PRINT, ENTER THE WORD "NULL".

```

H9902654

Figure 3-176. A529 D042A Recon Submission Panel

CEMS A533 INQUIRY DEFINITION

TIME- 09:08 TODAY'S DATE- 01/11/16 JULIAN DATE- 01.320

NUMBER OF DEFINITIONS- 1 (1 MAXIMUM)

SRAN- 6355

CII- PF10035

UNIT-ID-

SERVICE STATUS CODE- ('M' = INSTALLED

 'S' = SPARE

 'X' = ALL)

TRANSFER- *** FOR PRINT ONLY ***

THIS JOB PRODUCES A LARGE NUMBER OF '6MI' TRANSACTIONS.

***** PROCEED WITH CAUTION *****

PRESS PF1 KEY FOR HELP

PRESS PF3 KEY TO TERMINATE

PRESS ENTER TO CONTINUE

H9902655

Figure 3-177. A533 Initialization Data Request by CII

```

CEMRA535      01.320      ITEM CONFIGURATION      09:15:18      PCN: CED042.MUA535.A1SA
CII/MDS: AF10010 SERIAL: PW0E712020 OPTION: 1  SRAN:      (OPT 3 ONLY) PAGE: 1
SWAP  CII      SERIAL  PART NUMBER  ID  WUC      NOUN
NHA:   F015C 80000000052 POS 2      AIRCRAFT
AF10010 PW0E712020 4067220      YF 23Z00      83 ITEMS INSTALLED
- LF100AD 000T0L0219 441476-6      YF 23PB0 CONTROL, EXHAUST NOZZLE CONV
- LF10013 00AEEC0423 789900H05D07      YF 23HF0 CONTROL-DIGITAL ENGINE ELECT
- LF100AE 000VAD0798 441294-3      YF 23HG0 CONTROLLER-FUEL PUMP, AUGMEN
- LF10017 00UAPG0420 UA539800      YF 23JAC COOLER OIL (FUEL)
- LF10018 00AVF34617 440477-3      YF 23QA7 CYLINDER ACTG LIN CPR BLEED
- LF100AF 00AVAE1785 441293-3      YF 23QA5 CYLINDER ACTG LIN VAR VN REA
- LF100AF 00AVAE2136 441293-3      YF 23QA5 CYLINDER ACTG LIN VAR VN REA
- LF1001A 0000RH1771 4065899      YF 23QCB DUCT-FAN OUTER FRONT ASSY
- LF1001B 0000RC3902 4062403      YF 23QCA DUCT-FAN, REAR, ASSY OF
- LF1001C 0GLABA1668 47418-2      YF 23KAD EXCITER-IGNITION, DUAL
- LF1001C 0GLABA1693 47418-1      YF 23KAD EXCITER-IGNITION, DUAL
- LF100AG 00TPCD1225 759057      YF 23HH0 PUMP-FUEL AUGMENTOR
- LF1001M 000WCA1293 323135      YF 23QA8 VALVE, ANTI-ICING,ENGINE INL
- LF1001U 000AAU1126 441422-8      YF 23HE0 CONTROL-FUEL,AUGMENTOR
- LF1001V 00CJBA1214 441610-17      YF 23HC0 CONTROL-FUEL,MAIN
- LF1001W 000TEC0944 910093-02      YF 23HJ0 DETECTOR-LIGHT-OFF

```

PA1=NEXT PAGE PF7=PREV PF2=TOP PA9=BOT PA2=CLEAR PAGES

OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDCK SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST

H9902656

Figure 3-178. IMS A535-1 Item Configuration (Option 1)

```

CEMRA535      01.320      ITEM CONFIGURATION      09:20:10      PCN: CED042.MUA535.A1SA
CII/MDS: AF11010 SERIAL: GE0E509112 OPTION: 2  SRAN:      (OPT 3 ONLY) PAGE:  1
SWAP  CII      SERIAL  PART NUMBER  ID  WUC      NOUN
  NHA:  F016C 8500001501 POS 1      AIRCRAFT
- AF11010      GE0E509112 9521M10G01      XY 27Z00      99 ITEMS INSTALLED
      +11 2907.0 09 4710.6 59      2500 60      25912 61      31529 62      18027
      +63  79.6 65   185.2 66      113.0 67      56.1 68      29.5 69      14.3
      +77   0.0 25    9766
- LF11011      00ECDK6028 7117M10G06      XY 27GPL AFT CONTROL
      +11 2436.9 09 3872.2 59      1998 60      21339 61      26230 62      8926
      +63  66.6 65   156.0 66      96.1 67      46.9 68      17.0 69      5.8
      +77   0.0
- LF11012      00GAT1R251 7113M19G03      XY 27GDH AUGMENTOR CONTROL
      +11 1723.7 09 2704.8 59      1269 60      15880 61      20338 62      6252
      +63  53.2 65   163.8 66      109.3 67      62.1 68      32.5 69      14.5
      +77   0.0
- LF11013      00APMWD727 9339M39P04      XY 27GHC VSV ACTUATOR
      +11 1572.2 09 4208.4 59      2025 60      21688 61      28832 62      7610
      +63  59.5 65    73.6 66      30.7 67      5.1 68      0.4 69      2.6
      +77   0.0

```

PA1=NEXT PAGE PF7=PREV PF2=TOP PA9=BOT PA2=CLEAR PAGES
 OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST

H9902657

Figure 3-179. IMS A535-2 Item Configuration (Option 2)

```

CEMRA535    01.320    ITEM CONFIGURATION    09:22:37    PCN: CED042.MUA535.A1SA
CII/MDS: AF11010 SERIAL: GE0E509112 OPTION: 3 SRAN: 6224 (OPT 3 ONLY) PAGE: 1
SWAP  CII      SERIAL  PART NUMBER  ID  WUC      NOUN
TELALAE91129521M10G01    GE0E509112XSR10502620F XYEMGRNNY    01320092227Z00
TELALBEE9112              11002907009004710659000250060002591261003152962
+001802763000079665000185266000113067000056168000029569000014377000000064000000
+07000000000750000000250000000
TCDAL40216415E F0110100    E9112      0100276      00194*
TCDAL40216444E F0110100    E9112      1196281      *
TCDAL40216849E F0110100    E9112      0198155      00030*
TCDAL40217334E F0110100    E9112      1599148      *
TCDAL40217376E F0110100    E9112      0100250      00194*
TCDAL40217387E F0110100    E9112      0100264      00194*
TCDAL40217388E F0110100    E9112      1198211      *
TCDAL40217701E F0110100    E9112      1599051      *
TCDAL40217869E F0110100    E9112      2101221      *
TCDAL40217878E F0110100    E9112      0100250      00060*
TCDAL40218082E F0110100    E9112      0101159      00080*
TCDAL40218088E F0110100    E9112      2101249      *
TELALAP1358M30G01    00GEVE5611EMGR XSR10502620F XY2840NNY    01320092227CJA

```

```

PA1=NEXT PAGE  PF7=PREV  PF2=TOP  PA9=BOT  PA2=CLEAR PAGES
OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK  SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST

```

H0001632

Figure 3-180. IMS A535-3 Item Configuration (Option 3)

CEMRA535 01.320 ITEM CONFIGURATION 09:25:40 PCN: CED042.MUA535.A1SA
 CII/MDS: F016C SERIAL: 8500001501 OPTION: 1 SRAN: (OPT 3 ONLY) PAGE: 1

SWAP	CII	SERIAL	PART NUMBER	ID	WUC	NOUN
NHA:	F016C	8500001501	POS 1			AIRCRAFT
—	AF11010	GE0E509112	9521M10G01	XY	27Z00	99 ITEMS INSTALLED
—	LF11011	00ECDK6028	7117M10G06	XY	27GPL	AFT CONTROL
—	LF11012	00GAT1R251	7113M19G03	XY	27GDH	AUGMENTOR CONTROL
—	LF11013	00APMWD727	9339M39P04	XY	27GHC	VSV ACTUATOR
—	LF11013	00APMWE593	9339M39P04	XY	27GHC	VSV ACTUATOR
—	LF11015	00GDBAG078	1344M74P01	XY	27GPP	T4B PYROMETER
—	LF11016	00TRIL4829	1584M29G02	XY	27GJA	LUBE TANK
—	LF11017	00SUS1468E	9338M23P04	XY	27GAU	FUEL OIL COOLER
—	LF11018	00HTM01414	1273M82P01	XY	27GMJ	HYD HEAT EXCHANGER
—	LF11019	00CCIBF339	9504M29P05	XY	27GG3	VSV FEEDBACK CABLE
—	LF1101A	00WCPA1755	1266M27P09	XY	27GTA	ANTI-ICING VALVE
—	LF1101B	00PFBHBF28	1274M83P14	XY	27BFA	IGV ACTUATOR
—	LF1101C	00GEJ00845	1311M30P04	XY	27GPT	EMSP/DEC
—	HF11020	00RAE27198	9521M93G01	XY	27BA0	FRONT FRAME ASSY
—	PF11021	00MDA347FY	9959M70P01	XY	27FAE	#1 BEARING O.R.
—	HF11030	00GWNDG740	9525M28G05	XY	27BD0	FAN ROTOR ASSY
—	PF11031	00GWNG6199	1359M71P01	XY	27BDE	FAN DISK STG 1

PA1=NEXT PAGE PF7=PREV PF2=TOP PA9=BOT PA2=CLEAR PAGES

OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST

H0001633

Figure 3-181. IMS A535-4 Item Configuration (Option 1-Aircraft)


```

CEMRA535      01.320      ITEM CONFIGURATION      09:30:28      PCN: CED042.MUA535.A1SA
CII/MDS:      F016C SERIAL: 8500001501 OPTION: 1  SRAN:      (OPT 3 ONLY) PAGE:  6
  SWAP   CII      SERIAL  PART NUMBER  ID  WUC      NOUN
  _      PF110J2    00AGR24801 9340M55P02  XY 27ANA ALTERNATOR DR GEARSHAFT
  _      PF110J3    00AGR20039 9340M57P01  XY 27AHA GEARSHAFT SPUR #1
  _      PF110J4    00AGR20859 9340M52P02  XY 27AEC BEVEL GEAR AGB
  _      PF110J5    00AGR25551 9340M56P01  XY 27AHG GEARSHAFT SPUR #2
  _      PF110J6    00AGR24678 9540M63P01  XY 27AGE GEARSHAFT BEVEL/SPUR
  _      PF110J7    00WYG51768 9398M83P10  XY 27GAL MAIN ENGINE CONTROL
  _      PF110J8    00SUS0539B 1265M11P17  XY 27GAH MAIN FUEL PUMP
  _      PF110J9    00LJA24114 1296M72P01  XY 27GAA FUEL BOOST PUMP
  _      PF110JA    00SUS0256F 9338M20P08  XY 27GDC AUGMENTOR FUEL PUMP
  _      PF110JB    00VKJE2259 1156M46P14  XY 27GMC HYD PUMP
  _      PF110JC    00LJA23097 9338M65P09  XY 27GJH LUBE/SCAVENGE PUMP

```

```

END OF DATA      PF7=PREV PAGE  PF2=TOP  PA2=CLEAR PAGES
OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK  SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST

```

H0001634

Figure 3-182. IMS A535-5 Item Configuration (End of Data)

```

CEMRA535      00.159      ITEM CONFIGURATION      10:30:45      PCN: CED042.MUA535.A1SA
CII/MDS: AF10010 SERIAL: PW0E682100 OPTION: 2  SRAN:      (OPT 3 ONLY) PAGE:  1
SWAP  CII      SERIAL  PART NUMBER  ID  WUC      NOUN
NHA:   F015D   7900000011 POS2      AIRCRAFT
- AF10010      PW0E682100 4074200      X6 23Z00      84 ITEMS INSTALLED
    +11 4000.8 09 5991.2 15      2736 16      24062 17 189.91 18      8.94
    +62      0 63      0.0 71      0.00 72      0 73      0.00 74      0.00
    +77      0.0 08      8068
p DF10030      PW0F001537 4080221-802      X1 23A00 F100 INLET FAN MODULE
    +11 2718.1 09 4411.5 15      2041 16      19734 17 91.79 18      11.26
    +62      0 63      0.0 71      0.00 72      0 73      0.00 74      0.00
    +77      0.0 08      6464
- PF1003A      0000EY6961 4079750      X1 23ADT SEAL AIR, COMPRESSOR, 2ND S
    +11 3119.6 09 5135.7 15      2298 16      17916 17 133.41 18 156.49
    +62      0 63      0.0 71      0.00 72      0 73      0.00 74      0.00
    +77      0.0 08      6203
- PF1003B      0001M02561 4018466      X1 23AAE BEARING, MAIN, NO 1, ROLLER
    +11 2667.1 09 4086.1 15      1981 16      15900 17 56.49 18      2.33
    +62      0 63      0.0 71      0.00 72      0 73      0.00 74      0.00
    +77      0.0

```

PA1=NEXT PAGE PF7=PREV PF2=TOP PA9=BOT PA2=CLEAR PAGES

OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST

H0001635

Figure 3-183. IMS A535-6 Item Configuration (Swap Screen)

```

CEMRA535      02.030      ITEM CONFIGURATION      14:52:57      PCN: CED042.MUA535.A1SA
CII/MDS: AF11910 SERIAL: PW0E730026 OPTION: 1 SRAN:      (OPT 3 ONLY) PAGE: 1
SWAP  CII      SERIAL  PART NUMBER  LCN-POS  NOUN
NHA:   F022A 9900004010 POS 1      AIRCRAFT
- AF11910 PW0E730026 4321200      720000      291 ITEMS INSTALLED
- LF1191A TSGCAH8379 1000900H01    775110      DIAGNOSTIC UNIT- ENG COMP
- LF1191B TSGCAJ0037 1000800H02    761110      A01 FADEC-LEFT
- LF1191B TSGCAJ0040 1000800H02    761110      A02 FADEC-RIGHT
- LF1191C TNMUAH0125 4321397-01    726110      GEARBOX ASSEMBLY
- LF1191D TSGCAH6098 307510740825  792310      PUMP - MAIN OIL
- LF1191E TSGCAH6782 430019      741120      ROTOR GENERATOR
- LF1191F TSGCAH7294 430031      741110      STATOR GENERATOR
- LF1191G TSGCAH8494 837400-1      731510      PUMP - ACTUATOR FUEL
- LF1191H TSGCAH5359 UA541940-4    792410      FUEL/OIL COOLER
- LF1191J TENCAH5232 90281-000      727125      AIR/AIR HEAT EXCHANGER
- LF1191K TSGCAH3810 70274-001      752110      FUEL/AIR HEAT EXCHANGER
- LF1191L TJNBAH1314 9060315-1      741210      EXCITER IGNITION
- LF1191M TGE7AH0180 910-71064      772210      DETECTOR-LIGHT OFF, AUG
- LF1191N TCWKAH1584 727293-06      771110      SENSOR-N1 SPEED
- LF1191P TEU9AH1788 524P221-01    731410      A01 NOZZLE-AUG FUEL
- LF1191P TEU9AH1792 524P221-01    731410      A02 NOZZLE-AUG FUEL

```

PA1=NEXT PAGE PF7=PREV PF2=TOP PA9=BOT PA2=CLEAR PAGES

OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST

H0201474

Figure 3-183.1. IMS A535-7 Item Configuration (Opt. 1 w/LCN-Position)

```

CEMRA535    02.030    ITEM CONFIGURATION    14:53:51    PCN: CED042.MUA535.A1SA
CII/MDS: AF11910 SERIAL: PW0E730026 OPTION: 2 SRAN:    (OPT 3 ONLY) PAGE: 1
SWAP  CII      SERIAL  PART NUMBER  LCN-POS  NOUN
  NHA:  F022A 9900004010 POS 1
-- AF11910 PW0E730026 4321200      720000      291 ITEMS INSTALLED
      +11      0.0 05      0 09      0.0 15      0 16      0 17      0.00
      +18      0.00 19      0 20      0 41      0 42      0 43      0
      +44      0 45      0 46      0 47      0 48      0 49      0
      +50      0 51      0.00 52      0 62      0 63      0.0 72      0
      +73      0.00 74      0.00 77      0.0 28      0
-- LF1191A TSGCAH8379 1000900H01      775110      DIAGNOSTIC UNIT- ENG COMP
      +11      0.0 05      0 09      0.0 15      0 16      0 17      0.00
      +18      0.00 19      0 20      0 41      0 42      0 43      0
      +44      0 45      0 46      0 47      0 48      0 49      0
      +50      0 51      0.00 52      0 62      0 63      0.0 72      0
      +73      0.00 74      0.00 77      0.0

```

PA1=NEXT PAGE PF7=PREV PF2=TOP PA9=BOT PA2=CLEAR PAGES
 OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST

H0201475

Figure 3-183.2. IMS A535-8 Item Configuration (Opt. 2 w/LCN-Position)

```

CEMRA535      02.030      ITEM CONFIGURATION      14:54:27      PCN: CED042.MUA535.A1SA
CII/MDS: AF11910 SERIAL: PW0E730026 OPTION: 3 SRAN: 4852 (OPT 3 ONLY) PAGE: 1
SWAP  CII      SERIAL      PART NUMBER      LCN-POS      NOUN
TELALAE00264321200      PW0E730026QQQ10101111F  YRWWWNNY      02030145472000
+0
TELALBEE0026      05000000009000000015000000016000000017000000018
+000000019000000020000000041000000042000000043000000044000000045000000046000000
+047000000048000000049000000050000000051000000052000000062000000063000000072000
+0000730000000740000000770000000280000000
TELALAP4321222-800      PW0C030026WWW QQQ10101111F  YR2840NNY0000 02030145472051
+0
TELALBP4321222-800      PW0C03002605000000009000000015000000016000000017000000018
+000000019000000020000000041000000042000000043000000044000000045000000046000000
+047000000048000000049000000050000000051000000052000000062000000063000000072000
+0000730000000740000000770000000280000000
TEIAIBP4321222-800      PW0C030026020301454E0026      720
+510
ITTAL44321222-800      PW0C030026      7004325 E F0119100  YR28      720510
+ 004325
TELALAP4308821-840      PW0F030026WWW QQQ10101111F  YR2840NNY0000 02030145472041
+0

PA1=NEXT PAGE  PF7=PREV  PF2=TOP  PA9=BOT  PA2=CLEAR PAGES
OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK  SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST

```

H0201476

Figure 3-183.3. IMS A535-9 Item Configuration (Opt. 3 with LCN-Position)

CEMS A535 INQUIRY DEFINITION

INITIALIZATION DATA REQUEST

TIME- 16:46 TODAY'S DATE- 01/11/14 JULIAN DATE- 01.318

NUMBER OF DEFINITIONS- 1 (20 REQUESTS MAXIMUM)

SRAN- 2805

CII- AF10110

SERIAL NUMBER- GE0E470450

TRANSFER-

ATTN: IF EMPTY DATA SET, RE-CHECK INPUT

PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER TO CONTINUE

H0201477

Figure 3-183.4. TSO A535-10 Initialization Data Request by CII/SN

[illegible]

H9902658

Figure 3-184. A550 Base Account File (Merge)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.AU568BRW.ERRVAR                      Line 00007604 Col 001 132
Command ==>                                         Scroll ==> PAGE
CDB DATE/TIME 15 MAR 99 / 17:00          **** S Y S T E M   E R R O R   S U M M A R Y ****          CED042.NOA568.A1MM
SRAN DESCRIPTION  9130-PWA-MFG. DIVISI
*****
REJECT          DESCRIPTION          INST  REMVL  6A   6D   6E   6L   6M   6N   6P   6S   6T   6U   6C   TOTALS
CODE
  143  EOT HRS DIFFERS W/CDB +/-10 HR  00000 00000 00000 00000 00000 00000 00000 00014 00000 00000 00000 00000 00000 000014
  103  INVALID PART NUMBER             00011 00000 00000 00000 00000 00000 00000 00044 00038 00000 00000 00000 00000 000093
  101  INVALID POSSESSOR (SRAN)         00000 00000 00000 00000 00000 00000 00000 00018 00044 00000 00000 00000 00000 000062
        QTY OF REJECTS:                00011 00000 00000 00000 00000 00000 00000 00076 00082 00000 00000 00000 00000 000169
        QTY OF TRANSACTIONS:           00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 000000
        PCT OF REJECTS:                 0      0      0      0      0      0      0      0      0      0      0      0      0      0
*****
REJECT          DESCRIPTION          INST  REMVL  6A   6D   6E   6L   6M   6N   6P   6S   6T   6U   6C   TOTALS
CODE
        ERRORS UNCORRECTED:            00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 000000
        PCT. ERRORS UNCOR.:              0      0      0      0      0      0      0      0      0      0      0      0      0      0
*****
TRANSACTION CONDITION CODES AND DESCRIPTION *****
CODE      INST      REMVL      6A          6D          6E          6L
DSCRPT:  INSTALLATIONS  REMOVALS      ADDITION      DELETE FROM MMICS  ENGINE ID CHANGE  LIMIT CHANGE
CODE      6M          6N          6P          6S          6T          6U
DSCRPT:  INITIALIZE REQUEST  S/N INITIALIZE  EST S/N LIMIT  SUBTRACTION      WINDOW INITIALIZE  UPDATE TRANSACTION
CODE      6C
DSCRPT:  CONDEMNED

```

H9902659

Figure 3-185. A565-1 Error Variance Data (System Error Summary)


```

Menu Utilities Compilers Help
-----
BROWSE      CE.AU568BRW.ERRVAR                                     Line 00002806 Col 001 132
Command ==>
PREPARATION DATE 15 MAR 99                                     PROPULSION UNIT REPORTING ERR/VAR ANALYSIS
FOR PERIOD ENDING 28 FEB 99                                     COMMAND 01 CON NR ENG MGR LETTERS 0
E-V  ENGINE  ENGINE  POSS  ACC TYP DATE  SEQ  T/C  SHIP  TYPE  DOC/TCN NR  REP SER  SAP NR  PART NR 1 PAGE NR 183
COD  ID  WUC  SER NR  ACTIVITY COD RPT  NR  COD  TO  CONT  HOURS/CYCLES  NR  REAS/RTN  MDS  SER NR  NR
045  PK 99999 PW0E170249 01 9130 A R 99031 0101987 SB 1M 7418 9999 EJ9130902523PK STOCK
122  YF 23AAW 00AVAD2890 01 9130 . R 99034 0200115 6N
402  YF 23AAW 00AVAD2890 01 9130 A R 99034 0200116 6P
122  YF 23AAW 00AVAF2881 01 9130 . R 99034 0200117 6N
402  YF 23AAW 00AVAF2881 01 9130 A R 99034 0200118 6P
122  YF 23AAW 00AVAD2889 01 9130 . R 99034 0200119 6N
402  YF 23AAW 00AVAD2889 01 9130 A R 99034 0200120 6P
122  YF 23AAW 00AVAF2890 01 9130 . R 99034 0200121 6N
402  YF 23AAW 00AVAF2890 01 9130 A R 99034 0200122 6P
122  YF 23AAW 00AVAD2895 01 9130 . R 99034 0200123 6N
402  YF 23AAW 00AVAD2895 01 9130 A R 99034 0200124 6P
122  YF 23AAW 00AVAF2891 01 9130 . R 99034 0200125 6N
402  YF 23AAW 00AVAF2891 01 9130 A R 99034 0200126 6P
122  YF 23AAW 00AVAD2888 01 9130 . R 99034 0200127 6N
402  YF 23AAW 00AVAD2888 01 9130 A R 99034 0200128 6P
122  YF 23AAW 00AVAF2883 01 9130 . R 99034 0200129 6N
402  YF 23AAW 00AVAF2883 01 9130 A R 99034 0200130 6P
122  YF 23AAW 00AVAD2876 01 9130 . R 99034 0200131 6N

```

H9902860

Figure 3-186. A565-2 Error Variance Data Part I, Command Sequence, Monthly

```

Menu Utilities Compilers Help
-----
BROWSE      CE.AU568BRW.ERRVAR                               Line 00003029 Col 001 132
Command ==>                                         Scroll ==> PAGE
PREPARATION DATE 15 MAR 99                                CED042.NOA568.A3MM
FOR PERIOD ENDING 28 FEB 99                                PART NR 2 PAGE NR 190

      ERR/VAR      ERR/VAR      ERR/VAR      ERR/VAR      ERR/VAR
CODE QTY  %    CODE QTY  %    CODE QTY  %    CODE QTY  %    CODE QTY  %
PWA-MFG. DIVISI 9130 045 5 100.0 103 77 40.5 122 34 17.8 159 18 9.4 402 61 32.1
.....STATION      HI SEQ  TYPE A  REPORTS  REPORTS  REPORTS  REPORTS  TOTAL  TOTAL  STATION  PERCENTAGE
.....NAME          NR    NUMBER  REPORT  COMPUTED  DELETED  IN ERROR  IN VARIANCE  ERRORS  VARIANCES  ERROR  VARIANCE
PWA-MFG. DIVISI 9130 2397 2397 2396 1 5 172 5 190 .2 7.1

      INFORMATIONAL TOTALS ON FOLLOWING TYPE REPORTS
CORRECTED  RECON  EXCEPTIONS  C  D  V  4
0 0 1 0 0 0 0

      AGE OF OUTSTANDING ERROR/VARIANCE
DAYS 1-5 6 7 8 9 10 11 12 13 14 15 16 17-20 21-25 26-30 OV-30 AVG
TOTAL 11 32 1 53 1 22 4 40 16 10 64 66.6

      AGE OF ERROR/VARIANCE CORRECTED
DAYS 1-5 6 7 8 9 10 11 12 13 14 15 16 17-20 21-25 26-30 OV-30 AVG
TOTAL 11 32 1 53 1 22 4 40 16 10 64 66.6

PREPARATION DATE 15 MAR 99                                CED042.NOA568.A3MM
FOR PERIOD ENDING 28 FEB 99                                PART NR 2 PAGE NR 191

      ERR/VAR      ERR/VAR      ERR/VAR      ERR/VAR      ERR/VAR
CODE QTY  %    CODE QTY  %    CODE QTY  %    CODE QTY  %    CODE QTY  %
.....STATION      HI SEQ  TYPE A  REPORTS  REPORTS  REPORTS  REPORTS  TOTAL  TOTAL  STATION  PERCENTAGE
.....NAME          NR    NUMBER  REPORT  COMPUTED  DELETED  IN ERROR  IN VARIANCE  ERRORS  VARIANCES  ERROR  VARIANCE

```

H9902661

Figure 3-187. A565-3 Error Variance Data Part II, Command Sequence, Monthly

```

Menu Utilities Compilers Help
-----
BROWSE      CE.AU568BRW.ERRVAR
Command ==>
TOTAL
PREPARATION DATE 15 MAR 99
FOR PERIOD ENDING 28 FEB 99

      PROPULSION UNIT REPORTING ERR/VAR ANALYSIS
      BY COMMAND
      ERR/VAR      ERR/VAR      ERR/VAR      ERR/VAR
      CODE QTY %    CODE QTY %    CODE QTY %    CODE QTY %
      045 5 100.0 101 18 8.5 103 77 36.4 118 1 .4 122 35 16.5
      159 18 8.5 280 1 .4 402 61 28.9
      STATION HI SEQ TYPE A REPORTS REPORTS REPORTS REPORTS TOTAL TOTAL STATION PERCENTAGE
      NAME NR NUMBER REPORT COMPUTED DELETED IN ERROR IN VARIANCE ERRORS VARIANCES ERROR VARIANCE
01 CON 30085 30055 30 5 192 5 211 .0 .6
      INFORMATIONAL TOTALS ON FOLLOWING TYPE REPORTS
      CORRECTED RECON EXCEPTIONS C D V 4
      0 0 45 0 0 0 144
PREPARATION DATE 15 MAR 99
FOR PERIOD ENDING 28 FEB 99
      PROPULSION UNIT REPORTING ERR/VAR ANALYSIS
      BY COMMAND 01 CON
      AGE OF OUTSTANDING ERROR/VARIANCE
      DAYS 1-5 6 7 8 9 10 11 12 13 14 15 16 17-20 21-25 26-30 OV-30 AVG
      TOTAL 1 24 4 40 16 10 64 65.9
      AGE OF ERROR/VARIANCE CORRECTED
      DAYS 1-5 6 7 8 9 10 11 12 13 14 15 16 17-20 21-25 26-30 OV-30 AVG
      TOTAL 33 42 2 53 71 154 46.5
PREPARATION DATE 15 MAR 99
FOR PERIOD ENDING 28 FEB 99
      PROPULSION UNIT REPORTING ERR/VAR ANALYSIS
      COMMAND 02 GOV NR ENG MGR LETTERS 0
      CED042.NOA568.A4MM
      PART NR 3 PAGE NR 215
      CED042.NOA568.A3MM
      PART NR 2 PAGE NR 217
      H9902662

```

Figure 3-188. A565-4 Error Variance Data Part III, By Command, Monthly

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.AU568BRW.ERRVAR                      Line 00006614 Col 001 132
Command ==>                                         Scroll ==> PAGE
PREPARATION DATE 15 MAR 99                          CED042.NOA568.A5MM
FOR PERIOD ENDING 28 FEB 99
.....STATION      HI SEQ  TYPE A  REPORTS  REPORTS  REPORTS  REPORTS  TOTAL  TOTAL  STATION  PERCENTAGE
.....NAME         NR      NUMBER  REPORT  COMPUTED DELETED  IN ERROR  IN VARIANCE  ERRORS  VARIANCES  ERROR  VARIANCE
CHROMALLOY        8493                87      64      21      2      17      5      190      .0      .0
WHITTAKER CORP    8505                87      64      21      2      17      5      190      .0      .0
ARMTEC-RAGEN      8509                87      64      21      2      17      5      190      .0      .0
CALSPAN CORP      8755                87      64      21      2      17      5      190      .0      .0
FAG KUGELFISCHE   8823                87      64      21      2      17      5      190      .0      .0
FAG BEARING LMT   8853                87      64      21      2      17      5      190      .0      .0
SUNDSTRAND        9002      87      87      87      17      9      172      5      190      .0      .0
PWA-OVERHAUL SO   9005      64      64      64      21      2      17      5      190      .0      .0
BENDIX CORP       9051      23      23      21      2      17      5      190      .0      .0
SUNDSTRAND AERO   9080                87      64      21      2      17      5      190      .0      .0
GE-VINELAND NJ    9086      26      26      17      9      172      5      190      .0      .0
MCDONNELL-MO      9108      49      49      17      9      172      5      190      .0      .0
GE-ARKANSAS CIT   9120      24      24      17      9      172      5      190      .0      .0
PWA-MFG. DIVISI   9130      2397  2397  2396      1      5      172      5      190      .2      7.1
JSTARS MELBOURN   9131      6      6      17      9      172      5      190      .0      .0
HELLENIC AERO     9145      3      3      17      9      172      5      190      .0      .0
TELEDYNE-OH       9192      1      1      17      9      172      5      190      .0      .0
SABERLINER CORP   9214     198    198    198      1      5      172      5      190      .0      .0
LOCKHEED-GA       9221      1      1      17      9      172      5      190      .0      .0

```

H9902663

Figure 3-189. A565-5 Error Variance Data Part IV, Station Recap

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.AU568BRW.ERRVAR                      Line 00006900 Col 001 132
Command ==>                                     Scroll ==> PAGE
PREPARATION DATE 15 MAR 99                      CED042.NOA568.A6MM
FOR PERIOD ENDING 28 FEB 99
.....STATION  HI SEQ  TYPE A  REPORTS  REPORTS  REPORTS  REPORTS  TOTAL  TOTAL  STATION  PERCENTAGE
.....NAME      NR      NUMBER  REPORT  COMPUTED  DELETED  IN ERROR  IN VARIANCE  ERRORS  VARIANCES  ERROR  VARIANCE
0B AFA
0D AFE          4499          4460          39
0J ETC          21556         21486          70
0K              19              19
0M AFR          8494          8469          25
0R PAF          6379          6356          23
0V SOC          1862          1838          24
01 CON          30085         30055          30          5          192          5          211
02 GOV          62              62
1C CMB          30576         30404          172
1L MOB          15513         15509          4
1M MTC          26105         25284          821
1S SPC          81              81
4D BAF          854          854
4E DAF          574          574
4Z ANG          21621         21528          93
                                WORLD WIDE RECAP
                                166979          1301          5          192          5          211
PREPARATION DATE 15 MAR 99                      CED042.NOA568.A7MM
PROPULSION UNIT REPORTING ERR/VAR ANALYSIS

```

H9902665

Figure 3-190. A565-6 Error Variance Data Part V, W-W RECAP, By Command

```

Menu Utilities Compilers Help
-----
BROWSE      CE.AU568BRW.ERRVAR                      Line 00006922 Col 001 132
Command ==>                                         Scroll ==> PAGE
PREPARATION DATE 15 MAR 99                          CED042.NOA568.A7MM
FOR PERIOD ENDING 28 FEB 99                          PART NR 6 PAGE NR 1

              PROPULSION UNIT REPORTING ERR/VAR ANALYSIS
              COMMAND HISTORY FOR FOUR MONTHS
              STATUS RTS
              OCT      NOV      DEC      JAN      CURRENT MONTH
              ERR  VAR  ERR  VAR  ERR  VAR  ERR  VAR  ERR  VAR
0B AFA        .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
0D AFE        .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
0J ATC        .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
0K AUN        .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
0M AFR        .1   8.7   .0   .0   .0   .0   .0   .0   .0   .0
0R PAF        .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
0V SOC        .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
01 CHI        .0   .0   .0   .4   .0   .0   .0   .0   .0   .6
02 CLE        .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
1C CMB        .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
1L MOB        .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
1M MTC        .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
1S SPC        .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
4D BAF        .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
4E DAF        .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
4Z ANG        .0   .1   .0   .0   .0   .0   .0   .0   .0   .0
WORLDWIDE TOTALS .0   .5   .0   .0   .0   .0   .0   .0   .0   .1

              AGE OF OUTSTANDING ERROR/VARIANCE
DAYS      1-5      6      7      8      9      10      11      12      13      14      15      16      17-20      21-25      26-30      OV-30      AVG

```

H9902866

Figure 3-191. A565-7 Error Variance Data Part VI, Command History for Four Months

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.AU568BRW.ERRVAR                      Line 00007011 Col 001 132
Command ====                                Scroll ==> PAGE
PREPARATION DATE 15 MAR 99                PROPULSION UNIT REPORTING ERR/VAR ANALYSIS
FOR PERIOD ENDING 28 FEB 99                WORLD WIDE PERCENTAGES BY ERR/VAR CODE
                                           PART NR 7 PAGE NR 3

      AUG      SEP      OCT      NOV      DEC      JAN      FEB
073 ENG RPT INSTL IN WRNG TYP ACFT      .0      .0      .0      .0      .0      .0
074 TRANS CD WITH INVALID SRAN          .0      .0      .0      .0      .0      .0
075 RPT FM SRAN PREV RPTD S OR T        .0      .0      .0      .0      1.4      .0
076 PREV TRAN CD ENG REPARABLE          .0      .0      .0      .0      .0      .0
079 ENG NOT RPTD REC IN ALLOT TIME       .0      .0      .0      .0      .0      .0
080 ENG NOT RPTD REC IN ALLOT TIME       .0      .0      .0      .0      .0      .0
081 LOSS RPT REC DATE < CDB DATE        .0      .0      .0      .0      .0      .0
083 MOD NOT SAME AS LAST REPORT          .0      .0      .0      .0      .0      .0
084 INVALID MDS FOR A OR Z COND CD       .0      .0      .0      .0      .0      .0
085 INVALID S/N FOR A OR Z COND CD       .0      .0      .0      .0      .0      .0
088 RMVL RPT W/INSTL COND IN CDB         .0      .0      .0      .0      .0      .0
089 RPT REC NOT RMVL W/INSTL COND        .0      .0      .0      .0      .0      .0
090 PARTS HAVE < TIME REM THAN MOD       .0      .0      .0      .0      .0      .0
091 ENG LOST FROM WRONG END ITEM         .0      .0      .0      .0      .0      .0
101 INVALID POSSESSOR (SRAN)             8.2     14.5     25.6      4.6      .0     82.0     52.3
102 INVALID STATION LOCATION SRAN        .0      .0      .0      .0      .0      .0
103 INVALID PART NUMBER                  .0      .0     49.5     80.7     91.0      2.5     16.9
104 P/N-S/N IN CDB UNMATCH P/N RPT      1.3      .0      .0      .0      .0      .0      .0
105 INVALID ENGINE POSITION NUMBER         .0      .0      .0      .0      .0      .0      .0
106 ENG POS NBR UNMATCH MASTER           .0      .0      .0      .0      .0      .0      .0

```

H9902667

Figure 3-192. A565-8 Error Variance Data Part VII, W-W Percentages by Error Variance Code

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.AU567BRW.AOD                               Line 00000000 Col 001 132
Command ==>                                           Scroll ==> PAGE
***** Top of Data *****
CDB DATE/TIME: 15 MAR 99 / 1701      * * * * AGE OF SRAN PART 1 * * * *      CED042.NOA567.A1MM
COMMAND: 0D          SRAN: 5518          TIME FRAME: FROM 01 FEB 99 TO 28 FEB 99

  DESCRIPTION  <* * * * * NUMBER OF DAYS * * * * * > --TRANSACTIONS--  ---AVGS---
MILDENHALL AB  0   1   2   3   4   5   6   7   8   9  10  11  12  13  14  15 16-30 0-30 GT30 TTOT 0-30 TOTA
STATUS TRANS   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0.0  0.0
TC TO TRANS    0   0   0   0   1   0   0   0   0   0   0   0   0   0   0   0   0   1   0   1   4.0  4.0
CONFIG TRANS   25 197 44  16   0   4   0   0   0   0   0   0   0   0   0   0   0   286  0  286  1.2  1.2
TOTAL TRANS    25 197 44  16   1   4   0   0   0   0   0   0   0   0   0   0   0   287  0  287  1.2  1.2

                                BASE PROCESSING DATE
                                <* * * * * NUMBER OF DAYS * * * * * >
                                0   1   2   3   4   5   6   7   8   9  10  11  12  13  14  15 16-30 GT30 TTOT  TOTA
DATE OCCURED - DATE INPUT    25 197 44  16   1   4   0   0   0   0   0   0   0   0   0   0   0   0   0   0  287  1.2
DATE INPUT - DPI ADDRESS     287   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0  287  0.0
DPI ADDRESS-RECEIPT DATE     287   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0  287  0.0
RECEIPT DATE-PROCESS DATE    287   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0  287  0.0
                                                                TOTAL PROCESSING TIME  1.2

CDB DATE/TIME: 15 MAR 99 / 1701      * * * * AGE OF SRAN PART 1 * * * *      CED042.NOA567.A1MM
COMMAND: 0D          SRAN: 5587          TIME FRAME: FROM 01 FEB 99 TO 28 FEB 99

  DESCRIPTION  <* * * * * NUMBER OF DAYS * * * * * > --TRANSACTIONS--  ---AVGS---

```

H9902668

Figure 3-193. A566-1 Age of Data - Part I, SRAN

Menu Utilities Compilers Help

BROWSE CE.AU567BRW.AOD

Line 00004292 Col 001 132

Command ==>

Scroll ==> PAGE

* * * * AGE OF DATA COMMAND PART 2 * * * *

COMMAND: PAF

SRAN: ALL

CMD	TRANS		SRAN	STATUS TRANS		TCTO TRANS		CONFIG TRANS		TOTAL TRANS	
	SRAN	MODE		QTY	AVG DAYS	QTY	AVG DAYS	QTY	AVG DAYS	QTY	AVG DAYS
OR	5000	C	ELMENDORF 3 LSS	166	1.4	53	5.1	1377	1.0	1596	1.2
OR	5004	C	EIELSON AFB	17	1.0	8	1.0	639	2.0	664	1.9
OR	5205	C	MISAWA AB	44	1.0	162	2.3	462	1.0	668	1.3
OR	5209	C	YOKOTA 374 LSS	41	4.0	0	0.0	207	0.3	248	0.9
OR	5210	C	YOKOTA AB JAPAN	11	3.8	0	0.0	4	7.2	15	4.7
OR	5260	C	HICKAM AFB	0	0.0	0	0.0	16	1.2	16	1.2
OR	5270	C	KADENA 18 LSS	203	0.8	84	16.5	1399	1.3	1686	2.0
OR	5284	C	KUNSAN AB	35	0.3	107	0.9	342	1.0	484	0.9
OR	5294	C	OSAN AB	31	3.2	8	12.0	454	0.4	493	0.8
COMMAND TOTAL				548	1.4	422	5.2	4900	1.1	5870	1.4

COMMAND TOTAL

COMMAND PROCESSING TIME

INPUT MODE	DATE		DATE		DATE		DATE		TOTAL AVG DAYS	
	OCCURED-INPUT		INPUT-ADDRESSED		DPI ADDR-RECPT		RECPT-PROCESSED			
	QTY	AVG DAYS	QTY	AVG DAYS	QTY	AVG DAYS	QTY	AVG DAYS		
MMICS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CRT	5870	1.4	5870	0.0	5870	0.0	5870	0.0	5870	1.4
OTHER	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

H9902669

Figure 3-194. A566-2 Age of Data - Part II, Command

```

Menu  Utilities  Compilers  Help
-----
BROWSE  CE.AU567BRW.AOD                                     Line 00004623 Col 001 132
Command ==>>>                                              Scroll ==> PAGE

                                COMMAND: ALL

                                STATUS TRANS      TCTO TRANS      CONFIG TRANS      TOTAL TRANS
COMMAND  ABBRV  QTY  AVG DAYS  QTY  AVG DAYS  QTY  AVG DAYS  QTY  AVG DAYS
0D       AFE    384    2.0      748    10.3     3463    1.4     4595    2.9
0J       ATC   2432    0.9      793    4.4     16554    0.4     19779    0.6
0M       AFR    395    2.3      201    1.9      6733    0.8      7329    0.9
0R       PAF    548    1.4      422    5.2      4900    1.1      5870    1.4
0V       SOC    143    0.4        0    0.0      1381    0.6      1524    0.6
01       CON    319    2.7      228   16.5      1482    7.7      2029    7.9
02       GOV     23    3.5        79    0.0      1380    0.1      1482    0.2
03       UNK      0    0.0        0    0.0        94    8.5        94    8.5
1C       CMB   2380    0.9     1168    1.6     23052    0.9     26600    0.9
1L       MOB     633    1.2      186    1.5     12511    0.1     13330    0.2
1M       MTC   2881    1.8     1996    1.2     22359    0.8     27236    0.9
1S       SPC      6    4.5        0    0.0        49    0.0        55    0.4
4Z       ANG   1539    2.2     1641    3.4     16601    1.9     19781    2.0
WORLDWIDE TOTAL 11683    1.5     7462    3.7     110559    1.0     129704    1.2

                                WORLDWIDE PROCESSING TIME

                                DATE                                DATE                                DATE                                DATE
INPUT      OCCURED-INPUT      INPUT-ADDRESSED      DPI ADDR-RECPT      RECPT-PROCESSED      TOTAL
MODE      QTY  AVG DAYS      QTY  AVG DAYS      QTY  AVG DAYS      QTY  AVG DAYS      QTY  AVG DAYS
MMICS      0    0.0          0    0.0          0    0.0          0    0.0          0    0.0
CRT      129704    1.2      129704    0.0      129704    0.0      129704    0.0      129704    1.2

```

H9902670

Figure 3-195. A566-3 Age of Data - Part III, All Commands

```

Menu Utilities Compilers Help
-----
BROWSE      CE.AU569BRW.ERRVAR                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
PREPARATION DATE: 990303      MONTHLY ERROR/VARIANCE WORKLOAD REPORT      CED042.BPA569.A1OM
FOR MONTH OF: FEBRUARY      (BASE SUMMARY)  TECH NAME: TRACY ELLIOTT/CETAE
0          10          20          30          40          50          60          70          80          90          100
-----
TECH CODE: (PA) :
:   TRANSACTIONS      REJECTS      ERRORS      RESOLVED      REJECT%      ERRORS%      RESOLVED%      AVE AGE      PREV(A)      PREV(I) :
SRAN: (1025) : *      0      TISC      0      0      0      .0      .0      .0      0      0      0 :
DEXTER TOOL CO :      BASE      0      0      0      .0      .0      .0      0      0      0 :
:      TOTAL      0      0      0      .0      .0      .0      0      0      0 :
:
:   0.TISC.REJ%.....
:   0 TISC ERR%.....
:   0 TISC RES%.....
:   0 BASE REJ%.....
:   0 BASE ERR%.....
:   0 BASE RES%.....
-----
TECH CODE: (PA) :
:   TRANSACTIONS      REJECTS      ERRORS      RESOLVED      REJECT%      ERRORS%      RESOLVED%      AVE AGE      PREV(A)      PREV(I) :
SRAN: (1232) : *      0      TISC      0      0      0      .0      .0      .0      0      0      0 :
FORT RUCKER :      BASE      0      0      0      .0      .0      .0      0      0      0 :
:      TOTAL      0      0      0      .0      .0      .0      0      0      0 :

```

H9902671

Figure 3-196. A569-1 Monthly Error/Variance Workload Report (Base Summary)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.AU569BRW.ERRVAR                      Line 00001762 Col 001 132
Command ==>                                         Scroll ==> PAGE
PREPARATION DATE: 990303                          MONTHLY ERROR/VARIANCE WORKLOAD REPORT      CED042.BPA569.A10M
FOR MONTH OF: FEBRUARY                            (TECH CODE SUMMARY)

0          10          20          30          40          50          60          70          80          90          100

TECH CODE: (PA) :
: TRANSACTIONS      REJECTS  ERRORS  RESOLVED  REJECT%   ERRORS%   RESOLVED%   AVE AGE   PREV(A)   PREV(I) :
SRAN: (ALL ) : * 247      TISC    18      19      18      7.3      7.7      100.0      3         0         4 :
:                  BASE      0       0       0       .0       .0       .0         0         0         4 :
:                  TOTAL    18      19      18      7.3      7.7      100.0      3         0         8 :
:----- 7 TISC REJ% :
:----- 7 TISC ERR% :
:----- 100 TISC RES% :
: 0 BASE REJ% :
: 0 BASE ERR% :
: 0 BASE RES% :

TECH CODE: (PD) :
: TRANSACTIONS      REJECTS  ERRORS  RESOLVED  REJECT%   ERRORS%   RESOLVED%   AVE AGE   PREV(A)   PREV(I) :
SRAN: (ALL ) : * 1458      TISC    34      34      34      2.3      2.3      94.4      6         0         9 :
:                  BASE      2       2       0       .1       .1       .0         0         0         0 :
:                  TOTAL    36      36      34      2.5      2.5      94.4      6         0         9 :
:-- 2 TISC REJ% :
:-- 2 TISC ERR% :

```

H9902672

Figure 3-197. A569-2 Monthly Error/Variance Workload Report (Tech Code Summary)

```
Menu Utilities Compilers Help
-----
BROWSE      CE.AU569BRW.ERRVAR                      Line 00001801 Col 001 132
Command ==>                                         Scroll ==> PAGE
-----
PREPARATION DATE: 990303          MONTHLY ERROR/VARIANCE WORKLOAD REPORT          CED042.BPA569.A10M
FOR MONTH OF: FEBRUARY          (SECTION SUMMARY)
0          10          20          30          40          50          60          70          80          90          100
-----
SECTION: (TISCP) :
: TRANSACTIONS      REJECTS  ERRORS  RESOLVED  REJECT%  ERRORS%  RESOLVED%  AVE AGE  PREV(A)  PREV(I) :
SRAN: (ALL ) : * 1721      TISC    52      53      52      3.0    3.0    96.3      5        0      273 :
:                  BASE     2       2       0       .1     .1     .0        0        0      84 :
:                  TOTAL   54      55      52      3.1    3.2    96.3      5        0     357 :
:
: --- 3 TISC REJ%
: --- 3 TISC ERR%
:
: --- 96 TISC RES%
:
: 0 BASE REJ%
: 0 BASE ERR%
: 0 BASE RES%
-----
* MISSING A-CARD/INCORRECT MONTH CD
***** Bottom of Data *****
H9902673
```

Figure 3-198. A569-3 Monthly Error/Variance Workload Report (Section Summary)

```
***** Top of Data *****
                                TCTO RETIREMENTS(OC-ALC)                                PCN:CED042.BUA570.A10M
PREPARATION DATE 2001032                                                PAGE 1
DATA CODE      TCTO NUMBER      RETIREMENT INDICATOR      COMPLETION DATE      STATUS DATE
    0216883          2J-F110-715              2              022001              2001032
***** Bottom of Data *****
```

H9902674

Figure 3-199. A570-1 TCTO on Line Retirements

***** Top of Data *****

TCTO CANDIDATES FOR RETIREMENT(OC-ALC)

PCN:CED042.BUA570.A20M

PREPARATION DATE 2001032

PAGE 1

TCTO NUMBER	DATA CODE	CII	SERIAL NUMBER
2J-F110-616	0214961	HF11030	A0GWNC6969
2J-F110-616	0214961	HF11030	A0GWNE5804
2J-F110-616	0214961	HF11030	00EE001665
2J-F110-616	0214961	HF11030	00EE001676
2J-F110-616	0214961	HF11030	00GWNC3946
2J-F110-616	0214961	HF11030	00GWNC4059
2J-F110-616	0214961	HF11030	00GWNC4060
2J-F110-616	0214961	HF11030	00GWNC4898
2J-F110-616	0214961	HF11030	00GWNC4899
2J-F110-616	0214961	HF11030	00GWNC4903
2J-F110-616	0214961	HF11030	00GWNC4904
2J-F110-616	0214961	HF11030	00GWNC4906
2J-F110-616	0214961	HF11030	00GWNC4907
2J-F110-616	0214961	HF11030	00GWNC4909
2J-F110-616	0214961	HF11030	00GWNC5224
2J-F110-616	0214961	HF11030	00GWNC5225
2J-F110-616	0214961	HF11030	00GWNC5414
2J-F110-616	0214961	HF11030	00GWNC5415

H9902676

Figure 3-200. A570-2 TCTO Candidates for Retirement

PCN: CED042.BUA600.A10D		ENGINE MANAGER DATA LIST										02/10/99		FOR SRAN 4800		PAGE	1		
PART 1. ERROR-VARIANCE CODE ASSIGNED. TO CORRECT, SEE TO 00-25-254-1.																			
ENGINE DESIGNATION	SERIAL NUMBER	POSS ACT	ACT CD	TY RP	DATE YRDAY	SEQUENCE MO NR	ENG STS	INTR ACTY	TYPE HOURS/CYCLES	CONT/ /RES	TCN-DOC REM/RTN	NR RES	/SAP RES	NR RES	REP SER	ENG NR	END-ITEM DESIG/SER	DATA NR	ENG POS
AF10010	PW0E682075	4800			98349	1200964	6S										F015C		
CODES 529	529 529																8100000032		
PART 5. END ITEM EXCEPTIONS. SEE TO 00-25-254-1.																			
ENGINE DESIGNATION	SERIAL NUMBER	POSS ACT	ACT CD	TY RP	DATE YRDAY	SEQUENCE MO NR	ENG STS	INTR ACTY	TYPE HOURS/CYCLES	CONT/ /RES	TCN-DOC REM/RTN	NR RES	/SAP RES	NR RES	REP SER	ENG NR	END-ITEM DESIG/SER	DATA NR	ENG POS
F0100100C	PW0E680617	4800	A	T	99031	0200026	VA										F015C		1
									04885								8100000023		
F0100100C	PW0E681677	4800	A	T	99031	0200071	VA										F015D		2
									03501								8200000047		
P R I N T C O M P L E T E - - - J O B F I N I S H E D																			

Figure 3-201. A590-1 Engine Manager Data List (A600)

PCN: CED042.NOA600.A01D DAILY TRANSACTION SUMMARY DATE: 02/10/99 SRAN: 4800

CII	SERIAL-NO	DATE	PROC	AG	C/OR	AT	TC	TO/FRM	CONT	NHA-CI/SERIAL-NO	SEQ-NR
LF1001R	000TCB3315	9036	9040	04		AR	6T				0200413
LF1001R	000TCB1859	9036	9040	04		AR	6T				0200414
LF1001D	00GLAB1184	9040	9040	00		R	6N				0200415
LF1001E	00TPCA1995	9040	9040	00	1CB	R	LB				0200416
PF10071	00AVH12134	9039	9040	01	1CB	AR	LF				0200417
PF10071	00AVH10651	9039	9040	01	0R	R	VA				0200418
LF10015	00VAA30501	9040	9040	00	1CB	R	LB				0200419
LF1001R	000TCB3420	9040	9040	00		R	6N				0200420
LF1001A	0000FV7253	9040	9040	00		R	6N				0200421
PF10031	00AVD33892	9040	9040	00	1CB	AR	LB				0200422
PF10031	00AVD33892	9040	9040	00	1CB	AR	6D				0200423
LF1001E	00TPCA4021	9040	9040	00	1CB	R	LB				0200424
LF1001R	000TCB3454	9040	9040	00	1CB	R	6S				0200425
LF1001R	000TCB3454	9040	9040	00		R	6T				0200426
LF1001C	00GLAA2170	9040	9040	00		R	6N				0200427
AF10010	PW0E681404	9040	9040	00	1CBA	AR	6A				0200428

AGE AVERAGE = .6`

H9902678

Figure 3-202. A590-2 Daily Transaction Summary

```

                                CEMS INQUIRY SELECTION

TIME OF DAY- 13:13      TODAY'S DATE- 99/03/05  JULIAN DATE- 99.064

JOB NUMB- MMEDIT                                OUTPUT DISPOSITION- H  (H, C OR R)

*****
* OUTPUT          'H' HOLDS OUTPUT FOR VIEWING BEFORE PRINTING      *
* DISPOSITIONS:   'C' ROUTES OUTPUT TO REMOTE PRINTERS (SMALL PAPER)*
*                  'R' ROUTES OUTPUT TO REMOTE PRINTERS (LARGE PAPER)*
*****

OUTPUT DESTINATION- VTAC0K09      NUMBER OF COPIES- 1

ROUTING SYMBOL- TILC              PHONE- 3367599

ORGANIZATION- TILC                REQUESTOR'S CODE- SKF

PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER   TO CONTINUE

```

H9902679

Figure 3-203. A620-1 Engine Configuration Update (Input Screen)

CEMS GENERAL PURPOSE ISPF PANEL
FOR EDITING DATASETS

TIME - 13:17
USER - CESKF

DSN==> G

SELECT DATASET FOR EDITING BY ENTERING APPROPRIATE LETTER:

- A - 'CE.USER.SPFPLIB'
- B - 'CEDRP.UAD.DAILY.STATS'
- C - 'CE.AM602001.EIMDIR'
- D - 'CE.AM100003.RECAP'
- E - 'CE.AP104001.MSG1'
- F - 'CE.AP104001.MSG2'
- G - 'CE.AM620001.CONFIG'
- H - 'CE.AP104001.ADDR'
- I - CEMS BCR TRACKING SYSTEM

PRESS PF3 KEY TO EXIT

H9902680

Figure 3-204. A620-2 Engine Configuration Update

```

Menu  Functions  Utilities  Help
-----
EDIT      CE.AM620001.CONFIG                      Row 00001 of 00105
Command ===>                                     Scroll ===> PAGE

  Name                VV MM  Created      Changed      Size  Init  Mod  ID
. AF108                01.06 85/05/23 95/03/20 15:04    51    66    0 CEJAS
. AF108S                01.01 92/01/30 92/02/03 14:35    29    29    0 CEKLE
. AF108201              01.00 99/01/22 99/01/22 13:09    51    51    0 CESKF
. AG108                01.02 92/04/02 95/07/25 14:32    51    53    0 CEJAS
. COPYMDS              01.23 83/08/22 85/04/25 15:11     3     1    0 CEGRH
. DELETMDS             01.09 83/08/22 84/05/15 13:43   206     1    0 CEGRH
. F04041D2             01.06 94/09/22 98/03/06 11:01    59    57    0 CEJAS
. F090                 01.00 91/07/29 91/07/29 14:53    75    75    0 CEJLB
. F0901                01.00 95/01/09 95/01/09 14:11     1     1    0 CEJLB
. F1DP                 01.03 86/04/04 86/04/07 08:36     7     1    0 CEKAG
S F100                 01.20 83/08/22 95/08/10 12:59    74     0    0 CEJAS
. F100A                01.13 86/06/11 95/08/10 13:00    75    76    0 CEJAS
. F100B                01.16 86/06/10 95/08/10 13:01    79    76    0 CEJAS
. F100C                01.17 86/06/11 95/08/10 13:02    80    76    0 CEJAS
. F100D                01.05 92/07/06 95/08/10 13:03    80    76    0 CEJAS
. F100E                01.06 92/07/06 95/08/10 13:03    80    76    0 CEJAS
. F101                 01.10 83/08/22 95/04/05 13:15    63    10    0 CEJAS
. F110                 01.10 87/03/13 93/10/06 12:14    95     1    0 CEDRP
. F110100B             01.02 99/01/21 99/01/21 12:58    95    95    0 CEJAS

```

H9902681

Figure 3-205. A620-3 Engine Configuration Update

```

File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT          CE.AM620001.CONFIG(F100) - 01.20          Columns 00001 00025
Command ==>                                         Scroll ==> PAGE
***** ***** Top of Data *****
==MSG> -Warning- The UNDO command is not available until you change
==MSG>          your edit profile using the command RECOVERY ON.
000001 AF10010 F0100100      X1
000002 LF10011 F0100100      X1
000003 LF10012 F0100100      X1
000004 LF10014 F0100100      X1
000005 LF10015 F0100100      X1
000006 LF10017 F0100100      X1
000007 LF10018 F0100100      X1
000008 LF10019 F0100100      X1
000009 LF1001A F0100100      X1
000010 LF1001B F0100100      X1
000011 LF1001C F0100100      X1
000012 LF1001D F0100100      X1
000013 LF1001E F0100100      X1
000014 LF1001F F0100100      X1
000015 LF1001G F0100100      X1
000016 LF1001J F0100100      X1
000017 LF1001K F0100100      X1

```

H9902682

Figure 3-206. A620-4 Engine Configuration Update

```

File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT          CE.AM620001.CONFIG(F100) - 01.20          Columns 00001 00025
Command ==>                                           Scroll ==> PAGE
000058 PF1004R  F0100100          X1
000059 DF10050  F0100100          X1
000060 PF10051  F0100100          X1
000061 PF10052  F0100100          X1
000062 PF10053  F0100100          X1
000063 PF10054  F0100100          X1
000064 PF10055  F0100100          X1
000065 DF10060  F0100100          X1
000066 PF10061  F0100100          X1
000067 PF10062  F0100100          X1
000068 PF10063  F0100100          X1
000069 PF10064  F0100100          X1
000070 PF10065  F0100100          X1
000071 DF10070  F0100100          X1
000072 PF10071  F0100100          X1
000073 PF10072  F0100100          X1
000074 DF10080  F0100100          X1
***** ***** Bottom of Data *****

```

H9902683

Figure 3-207. A620-5 Engine Configuration Update

CEMS INQUIRY SELECTION

TIME OF DAY- 13:31 TODAY'S DATE- 99/03/05 JULIAN DATE- 99.064

JOB NUMB- MMSUB OUTPUT DISPOSITION- H (H, C OR R)

```
*****
* OUTPUT          'H' HOLDS OUTPUT FOR VIEWING BEFORE PRINTING      *
* DISPOSITIONS:   'C' ROUTES OUTPUT TO REMOTE PRINTERS (SMALL PAPER)*
*                  'R' ROUTES OUTPUT TO REMOTE PRINTERS (LARGE PAPER)*
*****
```

OUTPUT DESTINATION- VTAC0K09 NUMBER OF COPIES- 1

ROUTING SYMBOL- TILC PHONE- 3367599

ORGANIZATION- TILC REQUESTOR'S CODE- SKF

PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER TO CONTINUE

H9902684

Figure 3-208. A620-6 Engine Configuration Update

CEMS GENERAL PURPOSE ISPF PANEL
SUBMITTING JOBS THROUGH JCL

TIME - 13:19
USER = CESKF

DSN==> C

SELECT JOB FOR SUBMISSION BY ENTERING APPROPRIATE LETTER:

A - 'A100115'
B - 'CESKF125'
C - 'A620'

PRESS PF1 KEY FOR HELP PRESS PF3 KEY TO EXIT

H9902685

Figure 3-209. A620-7 Engine Configuration Update


```

File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT          CE.SUB.JCL(A620) - 01.99          Columns 00001 00072
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
==MSG> -Warning- The UNDO command is not available until you change
==MSG>          your edit profile using the command RECOVERY ON.
000100 //CESKFR JOB (CE00-,TILC,P,,,A620),FERGUSON,
000200 //          MSGLEVEL=(1,1),REGION=2M,NOTIFY=CESKF,MSGCLASS=X
000292 //BMP620   EXEC IMSVSBMP,PSB=CEBUA620
000510 //SYSOUT   DD SYSOUT=*
000520 //SYSDBOUT DD SYSOUT=*
001556 //INPUT    DD DSN=CE.AM620001.CONFIG(F110100B),DISP=SHR
001559 //
***** Bottom of Data *****

```

H9902688

Figure 3-210. A620-8 Engine Configuration Update

CEMS A625 INQUIRY DEFINITION

TIME- 13:37 TODAY'S DATE- 99/03/15 JULIAN DATE- 99.074

NUMBER OF DEFINITIONS- 3 PASSWORD-

CII- AF10810 OPTION- 2

OLD PART NUMBER- MD-

NEW PART NUMBER-

A625 INQUIRIES 1

PRESS PF1 KEY FOR HELP
PRESS END KEY TO TERMINATE
PRESS ENTER TO CONTINUE

H9902689

Figure 3-211. A625 Mass Part Number Change

```

CEMUA700                SHIPPING DEVICE TRACKING                CED042.MUA700.A1SA

OPTION: I

      A = ADD NEW NSN      D = DELETE NSN      G = HIST SEARCH, > KEY
      C = MODIFY NSN RECORD  I = INQUIRY NSN    U = BUILD NEW DOC & UPDATE NSN
                                      H = HIST RECALL, LAST UPDATE

SRAN: 2039      NOUN: TRAILER      LEVEL: 0000
NSN: 1740007135908  TMS: J75/TF41/F110  LAST-MOD: 983061235MEPT9D83014953

<----- S U P P L Y ----->  <- M A I N T >  <- O T H E R >
REP-INST  SER-INST  REP-EMPTY  SER-EMPTY  CNDM  SER  REP  CNTR  OTHER
  0079      0051      0023      0007      0000  0188 0000 0011  0000

DOC-NUM:      TRAN-DATE:      SEARCH-KEY:
<----- S U P P L Y ----->  <- M A I N T >  <- O T H E R >
REP-INST  SER-INST  REP-EMPTY  SER-EMPTY  CNDM  SER  REP  CNTR  OTHER

```

TRANSACTION SUCCESSFULLY COMPLETED

H9902690

Figure 3-212. A700 Shipping Device Tracking

[illegible]

		<-----SUPPLY----->					<-----MAINT----->					
NSN	TMS	REP INST	SER INST	REP EMPTY	SER EMPTY	CNDM	SER	REP	CNTR	OTHR	TOTLS	
8145003905574AS	J65-5F		8								8	
8145004656373	T400/400GB		3								3	
8145006612972AS	G56-7/9/15		120					19			139	
8145006878110AS	T56-7		70				19	37			126	
8145007727866AS	T53-13B		13								13	
8145007818557AP	0-300, IO-360											
8145008329706	T76-G-419											
8145008457668	J60-3A/5B											
8145008457670	J85/7											
8145008871949AS	G56-7/9/15		111			1		51			163	
8145008883698AS	T56-9/15		142					58			200	
8145009943823AS	J85-5											
8145010595689A5	T700		11								11	
	SRAN TOTALS	19	1040			1	56	165			1281	

END OF DATA

H9902691

Figure 3-213. A750 Shipping Device Summary

BROWSE CEPXM.SPF454.OUTLIST
 Command ==>
 08/10/99

Line 00000669 Col 001 132
 Scroll ==> PAGE
 PAGE 7

SUSPECTED DUPLICATE SERIAL NUMBERS
 SORTED BY SRAN

	CONFIG ITEM	SERIAL NUMBER	SRAN BASE	OWNING ORG	COMMAND CODE	SVC STAT	NHA CI	NHA SN	CONDEMN FLAG	CCYY INSTALL DATE
SRANBASE COUNT		3	6202							
	LF10017	0UAPF0405A	6224	A	4Z	M	AF10010	PW0E703450		1991035
SRANBASE COUNT		1	6224							
	LF1001A	000HC9575A	6251	Z	4Z	M	AF10010	PW0E680864		1997048
	LF1001B	000MS8758A		Z	4Z	M	AF10010	PW0E681995		1990220
	LF1001G	0000P1485C		Z	4Z	M	AF10010	PW0E681920		1999144
SRANBASE COUNT		3	6251							
	LF1001G	0000P1948C	6341	G	1M	M	AF10010	PW0E703124		1990318
SRANBASE COUNT		1	6341							
	LF1001M	00WCA1455A	6355	F	4Z	M	AF10010	PW0E713401		1999083
SRANBASE COUNT		1	6355							
	LF1001A	000HC9855B	6371	P	4Z	M	AF10010	PW0E681967		1986325
	LF1001B	000ME3930B		P	4Z	M	AF10010	PW0E680118		1985177
	LF1001G	0000P2604C		P	4Z	M	AF10010	PW0E682085		1991141
	LF1001K	0TSU35979A		P	4Z	M	AF10010	PW0E680319		1987357
	LF1001L	0GLAC0778B		P	4Z	M	AF10010	PW0E680248		1985085

Sample Output DUPSN

H9903240

Figure 3-214. DUPSN Format

```

Menu Utilities Compilers Help
-----
BROWSE      CE.BU001BRW.RTNVHL                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
DATE OF PREPARATION      REASON FOR RETURN TO OVERHAUL REPORT      PCN..D042.NPB001.A1MM
05 FEB 99                COMMAND - AFR                                PAGE - 1
  DESIGNATION      TRANS  RETURN TO  CMD      SRAN      ENGINE  HRS SINCE  CYCLE  NR PREV  LAST O/H  DATE OF
ENGINE  END ITEM  COND  O/H REASON  DESCRIPTION  NR      SN      O/H      TIME  O/H  F/M  AGENCY  O/H RPT
F0108100  KC135R  LL      9T      AFR AFR-IN-434 AREF 6674 CF0E711464 4198          1          99022
T0056007B  C130E  ML      9R      AFR KELLY AFB-DEPOT 2059 AD00102467 5894          6 16 2059 99010
T0056015  HC130P  ML      9C      AFR AFR-OR-PORTLAND 6647 AD00109466 1584          2 4 2059 99014
TF0033007A  C141B  ML      9T      AFR AFR-MD-ANDREWS 6672 PW00651440 5829 3301 3 13 2039 99011
TF0033103  B052H  ML      9C      AFR AFR-LA-BARKSDAL 6646 PW00643306 2854 1068 4 16 2039 99004
TF0033103  B052H  ML      9C      AFR AFR-LA-BARKSDAL 6646 PW00642560 2496 769 5 9 2039 99008
DATE OF PREPARATION      REASON FOR RETURN TO OVERHAUL REPORT      PCN..D042.NPB001.A1MM
05 FEB 99                COMMAND - ANG                                PAGE - 1
  DESIGNATION      TRANS  RETURN TO  CMD      SRAN      ENGINE  HRS SINCE  CYCLE  NR PREV  LAST O/H  DATE OF
ENGINE  END ITEM  COND  O/H REASON  DESCRIPTION  NR      SN      O/H      TIME  O/H  F/M  AGENCY  O/H RPT
F0101102  B001B  ML      9K      ANG ANG-KS-MCCONNEL 6151 GE0E470472 485          1 7 2039 99006
F0110100  F016C  ML      9K      ANG ANG-OH-SPRNGFLD 6352 GE0E509620 2852          14          99014
T0056007B  C130E  ML      9T      ANG ANG-RI-N KINGS 6391 AD00102136 6012          5 9 2059 99005
T0056015  LC130H  LL      9D      ANG ANG-NY-STRATTON 6323 AD0E114464 1301          2747 1 3 2039 99021
TF0033102  KC135E  ML      9C      ANG ANG-PA-CORAOPOL 6381 PW00668628 4641 2479 2 8 2039 99005
TF0033102  KC135E  ML      9K      ANG ANG-TN-KNOXVILL 6423 PW00645813 3974 1332 2 1 2039 99026
TF0033102  KC135D  ML      9C      ANG ANG-KS-TOPEKA 6152 PW00645151 2654
DATE OF PREPARATION      REASON FOR RETURN TO OVERHAUL REPORT      PCN..D042.NPB001.A1MM

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H9902692

Figure 3-215. B001A-1 Reason for Return to Overhaul Report (AFR/ANG)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.BU001BRW.RTNVHL                      CHARS 'PRIME' found
Command ==>                                         Scroll ==> PAGE
DATE OF PREPARATION                                REASON FOR RETURN TO OVERHAUL REPORT      PCN..CED042.NPB001.A2MM
05 FEB 99                                         PRIME ALC - OKLAHOMA CITY ALC
DESIGNATION   TRANS  RETURN TO  CMD      SRAN      ENGINE  HRS SINCE  CYCLE  NR PREV  LAST O/H  DATE OF
ENGINE        END ITEM COND  O/H REASON DESCRIPTION NR      SN      O/H      TIME  O/H  F/M  AGENCY  O/H RPT
F0101102      B001B  ML      9R      CMB ELLSWORTH AFB 4690 GE0E470246 2946                18      99020
F0101102      B001B  ML      9K      ANG ANG-KS-MCCONNEL 6151 GE0E470472 485                7      2039 99006
F0107101      AGM086C LL      9A      CMB BARKSDALE AFB 4608 WR00100321 239                2      2039 99012
F0107101      AGM086B LL      9A      CMB BARKSDALE AFB 4608 WR00100354 187                4      2039 99012
F0107101      AGM086B LL      9A      CMB FAIRCHILD AFB 4620 WR00100386 197                3      2039 99021
F0107101      AGM086B LL      9A      CMB MINOT AFB 4528 WR00100641 220                3      2039 99029
F0107101      AGM086B ML      9K      MTC TINKER AFB 2039 WR00100931 221                1      2039 99011
F0107101      AGM086C LL      9A      CMB FAIRCHILD AFB 4620 WR00100943 29                4      2039 99007
F0107101      AGM086B LL      9A      CMB BARKSDALE AFB 4608 WR00100999 231                2      2039 99012
F0107101      AGM086B ML      9K      MTC TINKER AFB 2039 WR00101082                2      2039 99012
F0107101      AGM086B LL      9A      CMB BARKSDALE AFB 4608 WR00101091 221                1      2039 99012
F0107101      AGM086B ML      9K      MTC TINKER AFB 2039 WR00101191                3      2039 99012
F0107101      AGM086B LL      9A      CMB BARKSDALE AFB 4608 WR00101229 197                1      2039 99012
F0107101      AGM086B LL      9A      CMB BARKSDALE AFB 4608 WR00150092 228                1      2039 99012
F0107101      AGM086C LL      9K      MTC BOEING-TN-OAKRI 7524 WR00150148                99026
F0108100      KC135R ML      9K      MOB ROBINS 19 MSPTS 2069 CF0E710422 4348                99023
F0108100      KC135R LL      9T      MOB MCCONNELL AFB 4621 CF0E710781 4118                99020
F0108100      KC135R ML      9T      ETC ALTUS 97 MXS 4419 CF0E711337 4647                99022
F0108100      KC135R LL      9T      AFR AFR-IN-434 AREF 6674 CF0E711464 4198                1      99022

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Figure 3-216. B001A-2 Reason for Return to Overhaul Report (OC-ALC)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.BU002BRW.AWTOVHL                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
DATE OF PREPARATION      Awaiting Return to Overhaul Report      PCN..CED042.NPB002.A1MM      PAGE 1
01 FEB 99                PRIME ALC - OKLAHOMA CITY ALC
      DESIGNATION      TRANS RETURN TO      CMD SRAN      DESCRIPTION      ENGINE      HRS SINCE      CYCLE      NR PREV      LAST O/H      DATE OF
      ENGINE      END ITEM      COND      O/H REASON      MTC SRAN      DESCRIPTION      ENGINE      HRS SINCE      CYCLE      NR PREV      LAST O/H      DATE OF
F0101102                RL                MTC 9432      GE-EVENDALE      GE0E470023      00000      00000      000 0000      90215
F0101102      B001B      RL                MTC 2039      TINKER AFB      GE0E470246      02946      00000      000 0018      99022
DATE OF PREPARATION      Awaiting Return to Overhaul Report      PCN..CED042.NPB002.A1MM      PAGE 2
01 FEB 99                PRIME ALC - OKLAHOMA CITY ALC
      DESIGNATION      TRANS RETURN TO      CMD SRAN      DESCRIPTION      ENGINE      HRS SINCE      CYCLE      NR PREV      LAST O/H      DATE OF
      ENGINE      END ITEM      COND      O/H REASON      MTC SRAN      DESCRIPTION      ENGINE      HRS SINCE      CYCLE      NR PREV      LAST O/H      DATE OF
F0107101      AGM086B      RL      9A      MTC 2037      TINKER AFB-2LEV      WR00100140      00228      00000      003 0002      2039      99005
F0107101      AGM086B      RL      9T      MTC 2039      TINKER AFB      WR00100165      00225      00000      004 0003      2039      99004
F0107101      AGM086B      RL      9A      MTC 2039      TINKER AFB      WR00100220      00219      00000      003 0003      2039      99012
F0107101      AGM086B      RL      9T      MTC 2039      TINKER AFB      WR00100296      00230      00000      003 0003      2039      99006
F0107101      AGM086C      RL      9A      MTC 2039      TINKER AFB      WR00100321      00240      00000      003 0002      2039      99013
F0107101      AGM086B      RL      9A      MTC 2039      TINKER AFB      WR00100354      00187      00000      003 0004      2039      99013
F0107101      AGM086B      RL      9A      MTC 2037      TINKER AFB-2LEV      WR00100515      00173      00000      003 0003      2039      99005
F0107101      AGM086B      RL      9A      MTC 2037      TINKER AFB-2LEV      WR00100717      00173      00000      003 0003      2039      99005
F0107101      AGM086B      RL      9T      MTC 2039      TINKER AFB      WR00100974      00217      00000      001 0001      2039      99006
F0107101      AGM086B      RL      9T      MTC 2039      TINKER AFB      WR00100984      00151      00000      003 0003      2039      99006
F0107101      AGM086B      RL      9A      MTC 2039      TINKER AFB      WR00100999      00231      00000      002 0002      2039      99013
F0107101      AGM086B      RL      9A      MTC 2039      TINKER AFB      WR00101091      00221      00000      002 0001      2039      99013

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Figure 3-217. B002A Awaiting Return to Overhaul Report


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Menu  Utilities  Compilers  Help
-----
BROWSE   CE.BU003BRW.ALC                               CHARS 'PERIOD' found
Command ==>                                         Scroll ==> PAGE
                                           PAGE 3
O C A L C   P R O P U L S I O N   U N I T   R E P A R A B L E   R E P O R T
PERIOD ENDING 01 FEB 99 SEQUENCE BY * ENG DESIG, END-ITEM DESIG, ENG SERIAL NO, AS OF DATE, SEQ-NO PCN: CED042.NPB003.A1MM
ENGINE        SERIAL    E/I  REPORT MAJ CMD SRAN AND      O/H SRAN AND  CYCLE T/C TYP  AS OF  REASON FOR REMOVAL OPER
DESIGNATION   NUMBER    DESIG SEQ NO  CMD ABBRV DESCRIPTION  DESCRIPTION  TIME  CD  RPT   DATE  CODE AND DESCRIPTION  TIME

          0100356 1C  CMB 4690 ELLSWORTH
F0101102  GE0E470141  B001B 0400609 1C  CMB 4661 DYESS 7 LS          00000 LF  R  98 APR 13 879 EXPIR OF MAX CYCLE 02685
          0400645 1C  CMB 4661 DYESS 7 LS          ML  R  98 APR 15
          0400646 1C  CMB 4661 DYESS 7 LS          SL  R  98 APR 15
          0404974 1M  MTC 2039 TINKER AFB          RL  R  98 APR 20
          0407337 1M  MTC 2039 TINKER AFB          PL  R  98 APR 27
          0407339 1M  MTC 2039 TINKER AFB          2M  R  98 APR 27
          0502180 1M  MTC 2039 TINKER AFB          MK  R  98 MAY 06
          0502181 1M  MTC 2039 TINKER AFB          JK  R  98 MAY 06
          0502182 1M  MTC 2039 TINKER AFB          2M  R  98 MAY 07
          0502583 1M  MTC 2039 TINKER AFB          HK  R  98 MAY 08
          0503378 1M  MTC 2039 TINKER AFB          JK  R  98 MAY 13
          0703845 1M  MTC 2039 TINKER AFB          2M  R  98 JUL 15
          0703847 1M  MTC 2039 TINKER AFB          EK  R  98 JUL 15
          1100676 1M  MTC 2039 TINKER AFB          JK  R  98 NOV 02
          1101771 1M  MTC 2039 TINKER AFB          2M  R  98 NOV 05
          1102373 1M  MTC 2039 TINKER AFB          GK  R  98 NOV 06
          1200151 4Z  ANG 6101 ANG-GA-ROB          RB  R  98 DEC 17

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H9902695

Figure 3-218. B003A-1 Propulsion Unit Reparable Report (OC-ALC)

Menu Utilities Compilers Help																
BROWSE CE.BU003BRW.MOB																
Command ==>																
***** Top of Data *****																
P R O P U L S I O N U N I T R E P A R A B L E R E P O R T																
P A G E 1																
P E R I O D E N D I N G 01 MAR 99																
P C N : C E D 0 4 2 . N P B 0 0 3 . A 2 M M																
C O M M A N D M O B																
S E Q U E N C E B Y * C M D , S R A N , E N G - D E S I G , S E R I A L - N O , D A T E - O F - T R A N S , S E Q - N O																
ENGINE	SERIAL	E/I	REPORT	MAJ	CMD	SRAN	AND	O/H	SRAN	AND	CYCLE	T/C	TYP	AS OF	REASON FOR REMOVAL	OPER
DESIGNATION	NUMBER	DESIG	SEQ NO	CMD	ABBRV	DESCRIPTION		DESCRIPTION			TIME	CD	RPT	DATE	CODE AND DESCRIPTION	TIME
TF0039001C	GE00441647	C005B	1200309	1L	MOB	2157	KELLY AFB-				00000	RF	R	98 DEC 21		08061
			1200314	1L	MOB	2157	KELLY AFB-					JF	R	98 DEC 22		
			0100192	1L	MOB	2157	KELLY AFB-					EF	R	99 JAN 14		
TF0039001C	GE00441658	C005A	0600060	1L	MOB	2157	KELLY AFB-				00000	RF	R	97 JUN 04		06037
			0600061	1L	MOB	2157	KELLY AFB-					JF	R	97 JUN 05		
			0600062	1L	MOB	2157	KELLY AFB-					HF	R	97 JUN 05		
			0600078	1L	MOB	2157	KELLY AFB-					JF	R	97 JUN 10		
			0600112	1L	MOB	2157	KELLY AFB-					HF	R	97 JUN 14		
			0700076	1L	MOB	2157	KELLY AFB-					JF	R	97 JUL 10		
			0800029	1L	MOB	2157	KELLY AFB-					EF	R	97 AUG 06		
			0900206	1L	MOB	2157	KELLY AFB-					JF	R	97 SEP 20		
			1000558	1L	MOB	2157	KELLY AFB-					EF	R	97 OCT 28		
			1100041	1L	MOB	2157	KELLY AFB-					JF	R	97 NOV 05		
			1100282	1L	MOB	2157	KELLY AFB-					HF	R	97 NOV 18		
			1100290	1L	MOB	2157	KELLY AFB-					JF	R	97 NOV 18		

H9902696

Figure 3-219. B003A-2 Propulsion Unit Reparable Report (MOB)

3-219

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Menu Utilities Compilers Help
-----
BROWSE      CE.BU004BRW.SERIAL                                     Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
PERIOD 01-22 FEB 99          NMCS UNINSTALLED ENGINE STATUS REPORT          PCN..CED042.NPB004.A1MW PAGE 1
COMMAND AFE                  BY ENGINE SERIAL NUMBER

ENGINE FAMILY GROUP  SERIAL  COMMAND  SRAN  NAME  ACCOUNT  TYPE  ENGINE  AS OF  SEQUENCE
                     NUMBER                                     REPORT  STATUS  DATE  NUMBER
F0100220A/220E      PW0E703993  OD      5587  LAKENHEATH AB  A      R      EF      17 FEB 99  0201228
                     PW0E712030  ODC     5587  LAKENHEATH AB  A      R      EF      17 FEB 99  0201230
                     PW0E712145  OD      5587  LAKENHEATH AB  A      R      EF      26 JAN 99  0101464
F0110100             GE0E509380  OD      5682  AVIANO AB      A      R      EF      02 FEB 99  0200101
F0110129             GE0E538215  OD      5621  SPANGDAHLEM AB  A      R      EF      17 FEB 99  0200804
                     GE0E538242  OD      5621  SPANGDAHLEM AB  A      R      EF      18 DEC 98  1200955
F0100229A            PW0E720033  OD      5587  LAKENHEATH AB  A      R      EF      27 JAN 99  0101443
                     PW0E720046  ODC     5587  LAKENHEATH AB  A      R      EF      08 FEB 99  0200670
                     PW0E720149  OD      5587  LAKENHEATH AB  A      R      EF      18 FEB 99  0201231
PERIOD 01-22 FEB 99          NMCS UNINSTALLED ENGINE STATUS REPORT          PCN..CED042.NPB004.A1MW PAGE 1
COMMAND ETC                  BY ENGINE SERIAL NUMBER

ENGINE FAMILY GROUP  SERIAL  COMMAND  SRAN  NAME  ACCOUNT  TYPE  ENGINE  AS OF  SEQUENCE
                     NUMBER                                     REPORT  STATUS  DATE  NUMBER
T006407/100          GE00261101  OJ      4469  KIRTLAND AFB  A      R      EG      06 JAN 99  0100104
                     GE00261128  OJ      4469  KIRTLAND AFB  A      R      EG      26 OCT 98  1000220
                     GE00261140  OJ      4469  KIRTLAND AFB  A      R      EG      05 JAN 99  0100092
F0100220F            PW0E703075  OJ      4887  LUKE 56 LSS  A      R      EF      25 JAN 99  0101964
                     PW0E703254  OJ      4887  LUKE 56 LSS  A      R      EF      09 FEB 99  0200795

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H9902699

Figure 3-221. B004A-1 NMCS Engine Status Report by SN

[illegible]

H9902700

Figure 3-222. B004A-2 NMCS Uninstalled Engine Status Report (OC-ALC)

```

Menu Utilities Compilers Help
-----
BROWSE    CE.BU005BRW.CMD                               Line 00000000 Col 001 132
Command ==>                                              Scroll ==> PAGE
***** Top of Data *****
PERIOD 01-22 FEB 99      NMCS UNINSTALLED ENGINE STATUS REPORT      PCN..CED042.BUB005.A2MW

                        SEQUENCE - COMMAND, FAMILY GROUP AND SRAN
SRAN      ON      CLEARED OUTSTANDING      N M C S   A G E   I N   D A Y S      ASSET      NMCS NMCS
DESCRIPTION HAND NO  AV-DA NO  PCNT  01-05 06-10 11-15 16-20 21-25 26-30 31-UP  DAYS  DAYS PERCENT
CMD FAMILY GROUP
AFA J006925/25A      USAF-ACADEMY      1      22
TOT J006925/25A      FEB 99      1      22
DAYS IN PERIOD 22
                        AVERAGE DAILY RATE      1.00
TOT J006925/25A      JAN 99      1      31
TOT J006925/25A      DEC 98      1      31
TOT J006925/25A      NOV 98      1      30
TOT J006925/25A      OCT 98      1      31
TOT J006925/25A      SEP 98      1      30
TOT J006925/25A      AUG 98      1      31
PERIOD 01-22 FEB 99      NMCS UNINSTALLED ENGINE STATUS REPORT      PCN..CED042.BUB005.A2MW

                        SEQUENCE - COMMAND, FAMILY GROUP AND SRAN
SRAN      ON      CLEARED OUTSTANDING      N M C S   A G E   I N   D A Y S      ASSET      NMCS NMCS
DESCRIPTION HAND NO  AV-DA NO  PCNT  01-05 06-10 11-15 16-20 21-25 26-30 31-UP  DAYS  DAYS PERCENT
CMD FAMILY GROUP
AFA J00855H/5J/5L/5M/5P USAF-ACADEMY      1      22
TOT J00855H/5J/5L/5M/5P FEB 99      1      22
DAYS IN PERIOD 22
                        AVERAGE DAILY RATE      1.00
TOT J00855H/5J/5L/5M/5P JAN 99      1      31
TOT J00855H/5J/5L/5M/5P DEC 98      1      31

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H9902701

Figure 3-223. B004A-3 NMCS Uninstalled Engine Status Report by CMD

```

Menu Utilities Compilers Help
-----
BROWSE      CE.BU005BRW.WW1                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
*****
      P R O P U L S I O N   U N I T   I N V E N T O R Y - W O R L D   W I D E
AS OF DATE  99 FEB 01                               PCN..CED042.NPB005.A1MM
      BY ENGINE CLASSIFICATION AND TYPE
      ENGINE CLASSIFICATION - JETS 02A
      PART I OF VI
      PAGE NO. 1
ENGINE  S E R V I C E A B L E      R E P A R A B L E      U N I N S T      O B L G      N E T      I N S T A L L E D      T O T A L
CLASSIF RAW B-U D-IN TOTAL RAW B-U O/H D-IN TOTAL TOTAL INST SPARES ACTIV INACT D-IN TOTAL UNITS
CFM56   2  10      12      66      66      78      2      76      36  490      526      1763
F0030  382  54      436      1  10  790      801  1237  76  1161      2237  119  12  2368  3258
F0033   5  444      454      2  218  208      436  890  195  695      743  305  2  1050  1294
F0034      45      46      7  143  45  3  198  244  19  225      471      471      667
F0039      95      95     10  69  18  4  101  196  33  163      5      4      9      17
F0041   1      1      1      7      7      8      8      8      2035  517  8  2560  3803
F0100   1  502     13  516     13  433  279  2  727  1243  237  1006      363      363      449
F0101      35      35      1  34  14  2  51  86  9  77      16      16      21
F0103      1      1      4      4      5      5      5      1543      1555  1760
F0108   6  175     3  184      8  10  3  21  205  85  120      699  9  3  711  1429
F0110  11  321     6  338     5  183  189  3  380  718  95  623      164      164      238
F0117   1  35      4  40      2  11  1  14  54      26  55      83      83      164
F0118      67      67      10  4  14  81  26  55      102      102      151
F0404      28      29      1  4  15  20  49  10  39      1      60      61      120
J0033   24  1      25      4  3  27  34  59  4  55      1      1      1
J0047      1      1      1      1      1      1

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H9902702

Figure 3-224. B005A-1 Propulsion Unit Inventory by Engine Classification

Figure 3-225. B005A-2 Propulsion Unit Inventory (Part II)


```

Menu Utilities Compilers Help
-----
BROWSE   CE.BU007BRW.WW3                               Line 00000000 Col 001 132
Command ==>                                             Scroll ==> PAGE
***** Top of Data *****
          P R O P U L S I O N   U N I T   I N V E N T O R Y - W O R L D   W I D E
.AS OF DATE 99 FEB 01                                PCN..CED042.NPB007.A1MM
          B Y   E N G I N E   C L A S S I F I C A T I O N ,   T Y P E   M O D E L ,   F A M I L Y   G R O U P ,   S E R I E S / M O D   A N D   A C C O U N T
          E N G I N E   C L A S S I F I C A T I O N   -   J E T S   0 2 A
          P A R T   I I I   O F   V I
          P A G E   N O .   1
ENGINE      S E R V I C E   A B L E      R E P A R A B L E      U N I N S T      O B L G      N E T      I N S T A L L E D      T O T A L
DESIGNATION ACCT RAW B-U D-IN TOTAL RAW B-U O/H D-IN TOTAL TOTAL INST SPARES ACTIV INACT D-IN TOTAL UNITS
-----
CFM56GEN    J      1      1          2          2          2          2          2          2
            T      1      9          10          66          66          76          76          76
            -----
            *      2     10          12          66          66          78          78          78
            -----

TF0030103   A      7          7          1  58          59          66          8          58          2          2          68
            G      1          1          2          2          2          1          1          1          1
            S          10          10          2          2          2          8          8          10
            Z          10          10          1  5          6          16          27          2          145          147          163
            -----
            *      8     10          18          4  63          67          85          37          59          12  145          157          242
            -----

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H9902704

Figure 3-226. B005A-3 Propulsion Unit Inventory (Part III)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.BU008BRW.WW4                      Line 00000000 Col 001 132
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
      P R O P U L S I O N   U N I T   I N V E N T O R Y - W O R L D   W I D E
.AS OF DATE 99 FEB 01                               PCN..CED042.NPB008.A1MM
      ZONE OF INTERIOR BY ENGINE CLASSIFICATION AND ACCOUNT
      PART IV OF VI
      PAGE NO. 1
ENGINE      S E R V I C E A B L E      R E P A R A B L E      UNINST  OBLG      NET      I N S T A L L E D      TOTAL
CLASSIF     ACCT  RAW  B-U  D-IN  TOTAL  RAW  B-U  O/H  D-IN  TOTAL  TOTAL  INST  SPARES  ACTIV  INACT  D-IN  TOTAL  UNITS
JETS 02A    A     59 1182  39  1280  111 949 1181  42  2283  3563  608  2955  7087  80  53  7220  10783
           B           4           4           4           4
           C           11          11           1          12          12           4           4          16
           E           2           2           1           2           2           4           4           2
           F           1           1           1           1           1           4           4           5
           G     18  27           45           1           1          46  22  24           38           38          84
           J     1   1           2           2           2           4  19           5           5           9
           K     19           19           6   1   1   8           27  27           17           17          44
           N     1 170           171           5 235 14  3 257          428  89  339  1598  14  4 1616  2044
           R           134  1  135           2  32  7  2  43          178  93  85  762  1  4  767  945
           S     1  27           28           13  56  6  2  77          105  12  93  167  19           186  291
           T    375 209           584           757          757 1341          1341          1341
           W           1           1           1           1           1           1           2           3           4
           Z     33  64  1   98           13  82  28  2 125          223  68  155           8 2899          2907  3130
      TOTAL  488 1846  41 2375  144 1365 1999  52 3560  5935  938  5012  9691 3015  61 12767  18702
JETS MISSILE A  131  46           177           11 148  6  165          342  62  280  1805  2  3  1810  2152

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H9902705

Figure 3-227. B005A-4 Propulsion Unit Inventory (Part IV)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.BU009BRW.WW5                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
      P R O P U L S I O N   U N I T   I N V E N T O R Y - W O R L D   W I D E
.AS OF DATE  99 FEB 01                                PCN..CED042.NPB009.A1MM
      O V E R S E A S   B Y   E N G I N E   C L A S S I F I C A T I O N   A N D   A C C O U N T
      P A R T   V   O F   V I
      P A G E   N O .   1
ENGINE      S E R V I C E   A B L E      R E P A R A B L E      U N I N S T      O B L G      N E T      I N S T A L L E D      T O T A L
CLASSIF     ACCT  RAW  B-U  D-IN  TOTAL      RAW  B-U  O/H  D-IN  TOTAL      TOTAL  INST  SPARES  ACTIV  INACT  D-IN  TOTAL  UNITS
JETS 02A    A      119    3    122      122      6    128      250    34    216      865    4      869    1119
            J      22      22      22      18      4      94      94      113
            N      10      10      9      9      19      19      7      7      8
            R      1      1      2      2      1      3      5      7
            S      133      6    139    294    54    240    969    6    975    1269
      TOTAL      152    3    155      133      6    139    294    54    240    969    6    975    1269
TURBO 02A   A      6    55    2    63      1    26      27     90    12     78    321      321    411
            D      1      1      3      3      1      1      1      1
            H      1      1      1      2      2      27      27      29
            N      1      1      1      2      2      1      1      1
            R      1      1      1      1      1      1      1      1
            S      1      1      1      1      1      1      1      1
            Z      1      1      1      1      1      1      1      1
      TOTAL      6    58    2    66      1    27    31     97    12     85    350      350    447
***** Bottom of Data *****

```

H9902706

Figure 3-228. B005A-5 Propulsion Unit Inventory (Part V)

```

Menu  Utilities  Compilers  Help
-----
BROWSE    CE.BU010BRW.WW6                               Line 00000000 Col 001 132
Command ==>                                           Scroll ==> PAGE
***** Top of Data *****
          P R O P U L S I O N   U N I T   I N V E N T O R Y - W O R L D   W I D E
.AS OF DATE  99 FEB 01                                PCN..CED042.NPB010.A1MM
                                                    PART VI OF VI
                                                    PAGE-NO.  1  OF  1
          S E R V I C E A B L E      R E P A R A B L E      U N I N S T      O B L G      N E T      I N S T A L L E D      T O T A L
ACCT  RAW  B-U  D-IN  TOTAL    RAW  B-U  O/H  D-IN  TOTAL    TOTAL    INST    SPARES    ACTIV  INACT  D-IN  TOTAL    UNITS
A    250 1564   55  1869    158 1218 1632   55  3063    4932    731    4201    11420   112   64  11596    16528
B                                     4         4         4         4         4
C          11         11          1         1         12         12         4         4         4
D          1         1          1         1         1         1         1         1         1
E          2         2          1         1         3         3         4         4         4
F          1         1          1         1         1         1         1         1         1
G    18   27         45     1    1         2         47        26        21        42         42        89
H          1    23         24         2         26        19         7         5         5         31
J          1    19         19         6    1    1         8         27        27         20         20        47
L          1         1          1         1         4         3-         1         1
N     6   228    1    235     8  280  18    5   311    546     98    448    2598    14   12   2624    3170
R    10   179    1    190     2   62  10    4    78    268    103    165    1305     1    4   1310    1578
S     1    36         37     16   84    7    2   109    146     12    134    207    21    228    374
T    375   209         584          759    759    1343    1343    1343    1343
W          1         1         1         1         1         1         1         1         1         1         2         3         4

```

H9902707

Figure 3-229. B005A-6 Propulsion Unit Inventory (Part VI)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.BU011BRW.GAINLOSS                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
PRIME ALC OC-ALC                                           PAGE 1
SERIALIZED AF LOSS, AF GAIN, MODIFICATION, NON AF LOSS AND NON AF GAIN   PCN: CED042.NPB011.A1MM

PERIOD ENDING: FEB-05- 99                                AIR FORCE LOSSES                                PART 1 OF 5
TSM      SERIAL      MAJ  STATION      ACCT TC TYP ACTION  LOSS      NHA      ITEM      DOCUMENT
          NUMBER      CMD  SRAN DESCRIPTION  CODE CD RPT  DATE    TO      DESIG    SERIAL NO  NUMBER
.  F0107101  WR00100103  1C  4608 BARKSDALE AFB  A  WZ  R  99014  1M 2186  AGM086B  8100000443
.  F0107101  WR00100299  1C  4608 BARKSDALE AFB  A  WZ  R  99014  1M 2186  AGM086C  8100000117
PRIME ALC OC-ALC                                           PAGE 2
SERIALIZED AF LOSS, AF GAIN, MODIFICATION, NON AF LOSS AND NON AF GAIN   PCN: CED042.NPB011.A1MM

PERIOD ENDING: FEB-05- 99                                AIR FORCE LOSSES                                PART 1 OF 5
TSM      SERIAL      MAJ  STATION      ACCT TC TYP ACTION  LOSS      NHA      ITEM      DOCUMENT
          NUMBER      CMD  SRAN DESCRIPTION  CODE CD RPT  DATE    TO      DESIG    SERIAL NO  NUMBER
.  F0110129  GE0E538191  1C  4803 SHAW 20TH LSS  A  WZ  R  99014  1C 4803  F016C   9100000397
PRIME ALC OC-ALC                                           PAGE 3
SERIALIZED AF LOSS, AF GAIN, MODIFICATION, NON AF LOSS AND NON AF GAIN   PCN: CED042.NPB011.A1MM

PERIOD ENDING: FEB-05- 99                                AIR FORCE LOSSES                                PART 1 OF 5
TSM      SERIAL      MAJ  STATION      ACCT TC TYP ACTION  LOSS      NHA      ITEM      DOCUMENT
          NUMBER      CMD  SRAN DESCRIPTION  CODE CD RPT  DATE    TO      DESIG    SERIAL NO  NUMBER
.  J0079017G  GE00430165  1C  4801 HOLLOMAN 49 LSS  A  WZ  R  99005  1C 4801  F004E   6700000390

```

H9902708

Figure 3-230. B011A Serialized Gain/Loss Modification Report

```

Menu  Utilities  Compilers  Help
-----
BROWSE    CE.BU012BRW.CUMLOSS                               Line 00000000 Col 001 132
Command ==>                                                Scroll ==> PAGE
***** Top of Data *****
          CUMULATIVE ENGINE LOSSES                                CED042.NPB012.A1MS
          AS OF DATE  31 DEC 98                                PAGE      1

TYPE      LOSS OR      RECLAIMED
MODEL     INACTIVE     PARTS      ATTRITION  SPECIAL
0141      1            1          0141      PROJECT  OTHERS
0141      1            1          0141      PROJECT  OTHERS

          CUMULATIVE ENGINE LOSSES                                CED042.NPB012.A1MS
          AS OF DATE  31 DEC 98                                PAGE      2

TYPE      LOSS OR      RECLAIMED
MODEL     INACTIVE     PARTS      ATTRITION  SPECIAL
CP030     1            1          CP030     PROJECT  OTHERS
CP030     1            1          CP030     PROJECT  OTHERS

          CUMULATIVE ENGINE LOSSES                                CED042.NPB012.A1MS
          AS OF DATE  31 DEC 98                                PAGE      3

TYPE      LOSS OR      RECLAIMED
MODEL     INACTIVE     PARTS      ATTRITION  SPECIAL
CP036     876          1          CP036     PROJECT  OTHERS
CP036     876          1          CP036     PROJECT  OTHERS

          CUMULATIVE ENGINE LOSSES                                CED042.NPB012.A1MS

```

H9902710

Figure 3-231. B012A-1 Cumulative Serialized Loss Report

```

Menu Utilities Compilers Help
-----
BROWSE    CE.BU012BRW.PRE1988                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
          CUMULATIVE ENGINE LOSSES                                CED042.NPB012.A1MS
          AS OF DATE 31 DEC 87                                     PAGE      1
          TYPE          LOSS OR          RECLAIMED          RCS:LOG-LO(SA)8217
          MODEL    SERIES    INACTIVE      SALVAGE      PARTS      ATTRITION    SPECIAL    OTHERS
.. 0140          150          91          18
.. 0140    B      382          311          1          1          30          39
.. 0140          532          402          19          1          62          48
          CUMULATIVE ENGINE LOSSES                                CED042.NPB012.A1MS
          AS OF DATE 31 DEC 87                                     PAGE      2
          TYPE          LOSS OR          RECLAIMED          RCS:LOG-LO(SA)8217
          MODEL    SERIES    INACTIVE      SALVAGE      PARTS      ATTRITION    SPECIAL    OTHERS
.. 0141          10          1          2
.. 0141    A      61          13          10          4          3
.. 0141    B     464          280          125          19          40
.. 0141          535          294          137          50          54
          CUMULATIVE ENGINE LOSSES                                CED042.NPB012.A1MS
          AS OF DATE 31 DEC 87                                     PAGE      3
          TYPE          LOSS OR          RECLAIMED          RCS:LOG-LO(SA)8217
          MODEL    SERIES    INACTIVE      SALVAGE      PARTS      ATTRITION    SPECIAL    OTHERS

```

H9902711

Figure 3-232. B012A-2 Cumulative Serialized Loss Report

```

Menu Utilities Compilers Help
-----
BROWSE      CE.BU013BRW.IM                      Line 00000000 Col 001 132
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
IM CODE 1                                     PRIME ALC - OKLAHOMA CITY ALC                      PCN: CED042.NPB013.A1MM
          PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT
PERIOD ENDED 01 FEB 99          SEQUENCE ** IM CODE/ENGINE DESIGNATION/SERIAL NUMBER          PAGE 1
ENGINE        SERIAL  MAJ  SRAN DESCRIPTION      A  TRAN T AS OF DATE TO OR FROM  TCN/DOC      OPER  OTHER      END ITEM      POS
DESIGNATION   NUMBER  CMD  NAVY TINKER AFB      C COND R  DA MON YY  CMD SRAN  NUMBER      TIME  TIME  DESIGN  SERIAL NR  NR
TF0030P414A  PW00111111 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  00500 00000
TF0030P414A  PW00333777 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  00100 00000
TF0030P414A  PW00674655 MTC  NAVY TINKER AFB      T  RR  R  26 JUN 97              00000 00000
TF0030P414A  PW00674657 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  01242 00000
TF0030P414A  PW00674660 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  01471 00000
TF0030P414A  PW00679257 MTC  NAVY TINKER AFB      T  RR  R  01 SEP 93              02065 00000
TF0030P414A  PW00679259 MTC  NAVY TINKER AFB      T  RR  R  02 JUN 93              03247 00000
TF0030P414A  PW00679260 MTC  2039 TINKER AFB      T  RL  R  16 APR 97              02131 00000
TF0030P414A  PW00679261 MTC  2039 TINKER AFB      T  RL  R  04 FEB 97              03337 00000
TF0030P414A  PW00679263 MTC  2039 TINKER AFB      T  NC  R  28 JUN 95              03131 00000
TF0030P414A  PW00679265 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  02075 00000
TF0030P414A  PW00679269 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  01699 00000
TF0030P414A  PW00679271 MTC  2039 TINKER AFB      T  RL  R  02 JUL 97              04250 00000
TF0030P414A  PW00679273 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  02551 00000
TF0030P414A  PW00679274 MTC  2039 TINKER AFB      T  RL  R  21 FEB 97              03337 00000
TF0030P414A  PW00679275 MTC  NAVY TINKER AFB      T  RR  R  18 JUN 97              00000 00000
TF0030P414A  PW00679279 MTC  NAVY TINKER AFB      T  RR  R  27 JAN 98              00000 00000

```

H9902712

Figure 3-233. B013A-1 Propulsion Unit Serialized Distribution and Status Report by EIM Code


```

Menu Utilities Compilers Help
-----
BROWSE      CE.BU013BRW.ALC
Command ==>

                                CHARS 'PROPULS' found
                                Scroll ==> PAGE
                                PCN: CED042.NPB013.A2MM

                                PRIME ALC - OKLAHOMA CITY ALC
                                PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT
                                SEQUENCE * ENGINE DESIGNATION/SERIAL NUMBER
PERIOD ENDED 01 FEB 99
ENGINE        SERIAL  MAJ  SRAN DESCRIPTION  A  TRAN T  AS OF DATE TO OR FROM  TCN/DOC  OPER  OTHER  END ITEM  POS
DESIGNATION   NUMBER  CMD                C  COND R  DA MON YY  CMD SRAN  NUMBER  TIME  TIME  DESIGN  SERIAL NR  NR
TF0033003    PW00632404 CMB  4528 MINOT AFB      A  VA  T  31 JAN 99                05108 04864 B052H 6000000021 6
TF0033003    PW00632468 CMB  4528 MINOT AFB      A  VA  T  31 JAN 99                03568 01940 B052H 6000000047 7
TF0033003    PW00632469 CMB  4608 BARKSDALE AFB  A  VA  T  31 JAN 99                05026 04470 B052H 6100000023 4
TF0033003    PW00632470 CMB  4608 BARKSDALE AFB  A  FB  R  24 NOV 98                04179 02007
TF0033003    PW00632471 MTC  2039 TINKER AFB      A  NL  R  09 OCT 98                04356 04550
TF0033003    PW00632473 CMB  4528 MINOT AFB      A  VA  T  31 JAN 99                03413 03963 B052H 6000000026 2
TF0033003    PW00632476 MTC  2039 TINKER AFB      A  NL  R  09 OCT 98                04323 02217
TF0033003    PW00632505 MTC  2039 TINKER AFB      A  NL  R  09 OCT 98                04762 02709
TF0033003    PW00632574 CMB  4608 BARKSDALE AFB  A  VA  T  31 JAN 99                04431 02079 B052H 6000000038 6
TF0033003    PW00632583 MTC  2039 TINKER AFB      A  PL  R  10 DEC 98                03962 01977
TF0033003    PW00632603 MTC  2039 TINKER AFB      A  PL  R  10 DEC 98                04233 02257
TF0033003    PW00632671 AFR  6646 AFR-LA-BARKSDAL R  VA  T  31 JAN 99                03930 01934 B052H 6100000029 1
TF0033003    PW00632672 CMB  4528 MINOT AFB      A  VA  T  31 JAN 99                03308 01473 B052H 6000000033 5
TF0033003    PW00632682 CMB  4528 MINOT AFB      A  VA  T  31 JAN 99                03734 01864 B052H 6100000035 1
TF0033003    PW00632754 MTC  2039 TINKER AFB      A  PL  R  10 DEC 98                04095 02390
TF0033003    PW00632758 CMB  4608 BARKSDALE AFB  A  VA  T  31 JAN 99                03849 01800 B052H 6100000019 1
TF0033003    PW00632759 CMB  4528 MINOT AFB      A  FB  R  30 DEC 98                04454 02383
TF0033003    PW00632764 AFR  6646 AFR-LA-BARKSDAL R  VA  T  31 JAN 99                03770 01796 B052H 6000000003 7

                                H9902713

```

Figure 3-234. B013A-2 Propulsion Unit Serialized Distribution and Status Report by ALC

```
Menu Utilities Compilers Help
-----
BROWSE      CE.BU013BRW.CMD                               Line 00000000 Col 001 132
Command ==>                                           Scroll ==> PAGE
***** Top of Data *****
                                MAJOR COMMAND * AFA *
                                PCN: CED042.NPB013.A3MM
                                PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT
PERIOD ENDED 01 FEB 99      SEQUENCE * ENG DESGN/POSS SRAN/SERIAL NUMBER      PAGE 1
ENGINE        SERIAL  MAJ  SRAN DESCRIPTION  A TRAN T AS OF DATE TO OR FROM  TCN/DOC  OPER  OTHER  END ITEM  POS
DESIGNATION   NUMBER  CMD                C COND R  DA MON YY  CMD SRAN  NUMBER  TIME  TIME  DESIGN  SERIAL NR  NR
J0069025A    CA00321818 0B A 7000 USAF-ACADEMY  S  RG  4  07 JAN 92              03699 00000
J0069025A    CA00401663 0B A 7000 USAF-ACADEMY  A  RB  R  13 OCT 95              06658 00000
                                MAJOR COMMAND * AFA *
                                PCN: CED042.NPB013.A3MM
                                PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT
PERIOD ENDED 01 FEB 99      SEQUENCE * ENG DESGN/POSS SRAN/SERIAL NUMBER      PAGE 2
ENGINE        SERIAL  MAJ  SRAN DESCRIPTION  A TRAN T AS OF DATE TO OR FROM  TCN/DOC  OPER  OTHER  END ITEM  POS
DESIGNATION   NUMBER  CMD                C COND R  DA MON YY  CMD SRAN  NUMBER  TIME  TIME  DESIGN  SERIAL NR  NR
J0085005L    GE00231480 0B A 7000 USAF-ACADEMY  A  RB  R  13 SEP 91              03938 00000
                                MAJOR COMMAND * AFE *
                                PCN: CED042.NPB013.A3MM
                                PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT
PERIOD ENDED 01 FEB 99      SEQUENCE * ENG DESGN/POSS SRAN/SERIAL NUMBER      PAGE 1
ENGINE        SERIAL  MAJ  SRAN DESCRIPTION  A TRAN T AS OF DATE TO OR FROM  TCN/DOC  OPER  OTHER  END ITEM  POS
DESIGNATION   NUMBER  CMD                C COND R  DA MON YY  CMD SRAN  NUMBER  TIME  TIME  DESIGN  SERIAL NR  NR
TF0033102    PW00643773 0D C 5518 MILDENHALL AB  A  SB  R  12 JAN 99  OD 5685  FB55189012X005X 04266 02288
                                MAJOR COMMAND * AFE *
                                PCN: CED042.NPB013.A3MM
                                PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT
PERIOD ENDED 01 FEB 99      SEQUENCE * ENG DESGN/POSS SRAN/SERIAL NUMBER      PAGE 2
                                H9902714
```

Figure 3-235. B013A-3 Propulsion Unit Serialized Distribution and Status Report by Command

Menu Utilities Compilers Help

BROWSECE.BU013BRW.FOD

Command ==>

Line 00000000 Col 001 132

Scroll ==> PAGE

***** Top of Data *****

PERIOD ENDED 05 FEB 99

PROPULSION UNIT FOREIGN OBJECT DAMAGE REPORT

SEQUENCE * SRAN, ENGINE DESIGNATION, END ITEM DESIGNATION

PCN: CED042.BUB013.A1MM

PAGE 1

SRAN	ENGINE	E/I	ENGINE	CMD	DATE	REMOVAL	TYP OPER	TOT	USG TOT	%	TOTAL	FOD PREV SIX MONTHS
DESCRIPTION NO	DESIGNATION	DESIG	SER/NO		REPORTED	REASON	RPT TIME	REM FOD	FOD	FM	OH	ST ND RD TH TH TH
TINKER AFB	NAVY	F0110400						9				

S R A N T O T A L S

SRAN	ENGINE	TOTAL USAGE	TOTAL	PERCENT	TOTAL	TOTAL	FOD PREVIOUS SIX MONTHS
DESCRIPTION NO	DESIGNATION	REMOVALS	FOD	FOD	F/M	O/H	1ST 2ND 3RD 4TH 5TH 6TH
TINKER AFB	NAVY	9	0	.00	0	0	
	ENGINES (JETS)	9	0	.00	0	0	
	RAM JETS	0	0	.00	0	0	
	MODULES	0	0	.00	0	0	
	OTHERS	0	0	.00	0	0	

PERIOD ENDED 05 FEB 99

PROPULSION UNIT FOREIGN OBJECT DAMAGE REPORT

SEQUENCE * SRAN, ENGINE DESIGNATION, END ITEM DESIGNATION

PCN: CED042.BUB013.A1MM

PAGE 2

SRAN	ENGINE	E/I	ENGINE	CMD	DATE	REMOVAL	TYP OPER	TOT	USG TOT	%	TOTAL	FOD PREV SIX MONTHS
DESCRIPTION NO	DESIGNATION	DESIG	SER/NO		REPORTED	REASON	RPT TIME	REM FOD	FOD	FM	OH	ST ND RD TH TH TH
LEAR SIEGLER 1298	J0085005H	T038A						8				
LEAR SIEGLER 1298	J0085005L	T038A						1				
LEAR SIEGLER 1298	J0085005M	T038A						2				1

H9902715

Figure 3-236. B013B Propulsion Unit FOD Report

```

Menu Utilities Compilers Help
-----
BROWSE    CE.BU014BRW.MONETARY                               Line 00000000 Col 001 132
Command ==>                                                Scroll ==> PAGE
***** Top of Data *****
AS OF 30 SEP 99                PROPULSION UNIT INVENTORY - MONETARY SUMMARY          PCN: CED042.NPB014.A1MS
PAGE NO: 1                    PART I - ALL ACCOUNTS                                RCS: DD-P&L(SA&A)1000
                               (A,B,C,E,G,L,K,N,R,S,Z,D,H,J,,F,T, AND W, EXCEPT P) BY FAMILY GROUP.

                               F0107101                               F0112100                               TF0030103
                               QTY      DOLLARS                               QTY      DOLLARS                               QTY      DOLLARS
SERVICEABLE                   98      23,520,000                               69      20,700,000                               12      9,468,000

    BASE    - ZI              50      12,000,000                               20      6,000,000
              - OS

    DEPOT   - ZI              37      8,880,000                               42      12,600,000                               11      8,679,000
              - OS

    CONTRACTOR - ZI          11      2,640,000                               7       2,100,000                               1       789,000
              - OS

REPARABLE JEIM                 3       720,000                               3      2,367,000

    BASE    - ZI

```

H9902716

Figure 3-237. B014A-1 Propulsion Unit Inventory Monetary Summary Report Part I, by Family Group

AS OF 28 FEB 99
PAGE NO: 1

PROPULSION UNIT INVENTORY - MONETARY SUMMARY
PART II - ALL ACCOUNTS
(A,B,C,E,G,L,K,N,R,S,Z,D,H,U, F,T, AND W, EXCEPT P) BY FSC.

PCN: CED042,NP8014,A1MS
RCS: DD-P&L(SA&A)1000

		FSC 2840 - ENGINES		TOTAL ALL FSC
		QTY DOLLARS	QTY DOLLARS	
		2,900 4,510,972,255	2,900 4,510,972,255	
SERVICEABLE				
BASE	- ZI	1,081	1,733,429,525	1,733,429,525
	- OS	194	455,947,185	455,947,185
DEPOT	- ZI	1,200	1,222,913,430	1,222,913,430
	- OS			
CONTRACTOR	- ZI	423	1,093,381,599	1,093,381,599
	- OS	2	5,300,516	5,300,516
REPARABLE JEIM		1,913	3,322,830,977	3,322,830,977
BASE	- ZI	1,286	2,321,905,922	2,321,905,922
	- OS	180	542,454,221	542,454,221
DEPOT	- ZI	381	381,364,784	381,364,784
	- OS			
CONTRACTOR	- ZI	65	74,455,792	74,455,792
	- OS	1	2,650,258	2,650,258
OVERHAUL		2,525	2,208,513,112	2,208,513,112
BASE	- ZI	53	40,930,911	40,930,911
	- OS			
DEPOT	- ZI	2,304	1,990,023,154	1,990,023,154
	- OS			
CONTRACTOR	- ZI	160	166,155,973	166,155,973
	- OS	8	11,403,074	11,403,074
INTRANSIT		160	200,281,439	200,281,439
SERVICEABLE		82	141,070,422	141,070,422
REPARABLE		49	26,841,498	26,841,498
OVERHAUL		29	32,369,519	32,369,519
PROCUREMENT				
IN USE INSTALLED		15,872	23,066,587,306	23,066,587,306
BASE	- ZI	13,401	18,241,624,224	18,241,624,224
	- OS	1,307	3,231,118,929	3,231,118,929
DEPOT	- ZI	723	1,077,692,630	1,077,692,630
	- OS			
CONTRACTOR	- ZI	441	516,151,523	516,151,523
	- OS			
INACTIVE/INSTALLED		3,130	2,552,336,481	2,552,336,481

H9902717

Figure 3-238. B014A-2 Propulsion Unit Inventory Monetary Summary Report Part II, by FSC

```

                                CEMS D042B PRODUCTS          INVALID SELECTION .
Menu Utilities Compilers Help
-----
BROWSE    CE.BU014BRW.RIAR                      Line 00000000 Col 001 132
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
                                REQUIREMENTS INVENTORY ANALYSIS REPORT          PCN: CED042.NPB014.A2MS
                                INVENTORY REPORT OF PRINCIPAL OR SECONDARY ITEMS    RCS: LOG-LOP(SA)7110
                                (AMOUNTS IN THOUSANDS OF DOLLARS)                  PAGE NO: 1

                                HEADER DATA
                                -----
                                AS OF 30 SEP 98
                                LINE          DESCRIPTION
                                ----          -
                                1. ROUTING IDENTIFIER CODE          FHZ          AIR FORCE ACCOUNTS
                                2. DOD CATEGORY OF MATERIEL CODE      08          BY FAMILY GROUP
                                3. AGENCY CATEGORY OF MATERIEL CODE    16          ARD
                                4. APPROPRIATION TITLE CODE          3010
                                5. PRINCIPAL OR SECONDARY ITEMS (P OR S) P
                                6. WHOLESALE OR RETAIL ITEM (W OR R)   W
                                REQUIREMENTS
                                -----
                                7. APPROVED FORCE ACQUISITION OBJECTIVE
                                  7A. WAR RESERVE MATERIEL
                                8. APPROVED FORCE RETENTION
                                  VALUE
                                H9902718

```

Figure 3-239. B014A-3 Requirements Inventory Analysis Report (RIAR)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.BU015BRW.ALC                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
          OCALC PROPULSION UNIT DISTRIBUTION SUMMARY                                PAGE 1
PERIOD ENDED 99 FEB 01      SEQUENCE * PRIME ALC, FAMILY GROUP, SRAN, ENG DESIG, CMD, ACCT      PCN..CED042.NPB015.A1MM PART I
          FAMILY GROUP * F0107101
SRAN NO. NAME      SERVICEABLE  FIELD REPARABLE  DEPOT REPARABLE  UNINST      NET      DUE - IN      INSTALLED      TOTAL
DESIGNATION CMD ACCT RAW B-U TOT  QEC W-O-Q TOT  MIN MAJ CND TOT  TOTAL  OBL  SPRS SER REP INST  ACT INACT TOTAL  UNITS
2029 HILL AFB-DEPOT
  F0107101 MTC A 1 1
    DATE LAST REPORT 1999031
2037 TINKER AFB-2LEV
  F0107101 MTC A
    DATE LAST REPORT 1999027
2039 TINKER AFB
  F0107101 CMB A
    MTC A 13 13 1 1 5 36 41 55 55 6 1 2 2 7
    ACCT TOTAL A 13 13 1 1 5 36 41 55 55 6 1 2 2 64
    SRAN TOTAL 13 13 1 1 5 36 41 55 55 6 1 2 2 64
    DATE LAST REPORT 1999031
4528 MINOT AFB
  F0107101 CMB A 1 1 2
    DATE LAST REPORT 1999031
4608 BARKSDALE AFB
  F0107101 CMB A 55 1 56
    DATE LAST REPORT 1999031

```

H9902719

Figure 3-240. B015A Propulsion Unit Distribution Summary Report

```

Menu Utilities Compilers Help
-----
BROWSE      CE.BU018BRW.FAIL100                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
      O C A L C   E N G I N E   F A I L U R E S   U N D E R   1 0 0   H O U R S          PCN: CED042.NPB018.A1MM  PAGE   1
PERIOD ENDING 01 FEB 99          SEQUENCE * BASIC TYPE MODEL-SERIAL NUMBER

ENGINE      SRAN      SRAN      TRANS  TRANS      O/H   O/H   REMOVAL CODE AND REASON
DESIGNATION SERIAL #  CMD  BASE  DESCRIPTION COND  DATE  HOURS  DATE  AGENCY  RETURN CODE AND REASON
CFM56GEN    CF0E783161 MTC  NAVY  TINKER AFB  CL   95124 00000000
CFM56GEN    CF0E783162 MTC  NAVY  TINKER AFB  CL   95124 00000000
CFM56GEN    CF0E783163 MTC  NAVY  TINKER AFB  CL   95124 00000000
CFM56GEN    CF0E783164 MTC  NAVY  TINKER AFB  CL   95124 00000000
CFM56GEN    CF0E783165 MTC  NAVY  TINKER AFB  CL   95124 00000000
CFM56GEN    CF0E783166 MTC  NAVY  TINKER AFB  CL   95124 00000000
CFM56GEN    CF0E783167 MTC  NAVY  TINKER AFB  CL   95124 00000000
CFM56GEN    CF0E783168 MTC  NAVY  TINKER AFB  CL   95124 00000000
CFM56GEN    CF0E783169 MTC  NAVY  TINKER AFB  CL   95124 00000000

```

H9902721

Figure 3-241. B018A Engine Failure Under 100-HR Report


```

Menu Utilities Compilers Help
-----
BROWSE      CE.BU021BRW.OCALC                      Line 00000000 Col 001 132
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
DATE OF PREPARATION      REPARABLE ENGINE OVERHAUL LIST      PCN..CED042.NPB021.A10W
19 FEB 99                OKLAHOMA CITY ALC                      PAGE 1
                          SRAN - 2039

TMSM      ENGINE      TRANSACTION      NHA      TRANS      CMD      REASON FOR      HRS SINCE      CYCLE      NR PREV      LAST O/H      DATE OF S/S
          SN          AS OF DATE      DESIG      COND          REMOVAL          O/H          TIME      O/H  F/M      AGENCY      O/H RPT CD
F0100100  PW0E680695      98210      F015A      RL          MTC          156          002107      0000000      000 0029
F0100100  PW0E682301          98210      F015C      RL          MTC          875          001254      0000000      000 0006
F0100100  PW0E682250          98215      F015C      RL          MTC          879          001744      0000000      000 0009
F0100100  PW0E681217          98215      F015A      RL          MTC          879          001523      0000000      000 0026
F0100100  PW0E680281          98261      F015A      RL          MTC          875          001172      0000000      001 0010      9005      85074
F0100100  PW0E682310          98282      F015A      RL          MTC          875          001314      0000000      000 0009
F0100100  PW0E682021          98282      F015A      RL          MTC          878          002184      0000000      000 0019
F0100100  PW0E681489          98282      F015B      RL          MTC          200          001455      0000000      000 0012
F0100100  PW0E680592          98293      F015A      RL          MTC          876          002075      0000000      000 0033
F0100100  PW0E682305          98299      F015C      RL          MTC          879          001755      0000000      000 0008
F0100100  PW0E681364          98341      F015A      RL          MTC          879          002312      0000000      000 0012
F0100100A PW0E682107          98210      F015C      RL          MTC          879          000695      0000000      000 0002
F0100100A PW0E680193          98210      F015A      RL          MTC          879          001572      0000000      000 0027
F0100100A PW0E681734          98275      F015C      RL          MTC          875          002260      0000000      000 0019
F0100100A PW0E680859          98282      F015A      RL          MTC          878          002481      0000000      001 0016      9486      82357
F0100100A PW0E681079          98282      F015A      RL          MTC          878          002975      0000000      000 0014
F0100100A PW0E681355          98286      F015C      RL          MTC          880          003026      0000000      000 0017

```

H9902722

Figure 3-242. B021A Reparable Engine Overhaul List

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.BU023BRW.MONTHLY                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
02/01/99      MONTHLY ENGINE REPRESENTATION REPORT      PCN: D042.BRB023.A10M      PAGE 1
-----
  TMSM      ENGINE  COMMAND  OWNING  TRANS/  ACTION  REPRESENTATION  TYPE  STORAGE  DELDAYS
    SERIAL NO      ORG      COND    DATE        CODE      CONTAINER  LOCATION
-----
  G0056009D  00AG020267  FA.      .      20    91235      P23      FABC      Y13A003B013  7162
  TF0030107  PW00675590  DE.      .      20    98194      H01      TAJW      1140P18      203
  TF0030107  PW00675605  DE.      .      20    98194      H01      TAHW      1140P18      203
  TF0030107  PW00675661  DE.      .      20    98194      H01      TAHW      1140P17      203
  TF0030107  PW00675683  DE.      .      20    98194      H01      TAHW      1140P18      203
  TF0041001B AD00142116  DE.      .      20    98194      H03      TAL4      1140P16      203
  F0110400  GE0E588002  DE.      .      20    96215      P23      FACZ      W40A015A015  2182
  F0110400  GE0E588317  DE.      .      20    95216      P23      FACZ      W40A015A015  3181
  J0033035  AD00075477  DE.      .      20    93196      P23      FABW      W40A015A007  5201
  J0033035  AD00081434  DE.      .      20    92219      P23      FABW      W40A015A010  6178
  J0033035  AD00080625  DE.      .      20    91290      P23      FABW      W40A015A009  7107
  J0033035  AD00076120  DE.      .      20    91121      P23      FABW      W40A015A007  7276
  J0033035  AD00076144  DE.      .      20    91121      P23      FABV      W40A015A008  7276
  J0033035  AD00076766  DE.      .      20    91121      P23      FABV      W40A015A009  7276
  J0033035  AD00080811  DE.      .      20    91121      P23      FABV      W40A015A009  7276
  J0033035  AD00085243  DE.      .      20    91121      P23      FABW      W40A015A003  7276
  J0033035  AD00084824  DE.      .      20    90292      P23      FABW      W40 15A003  8105

```

H9902723

Figure 3-243. B023A Engine Representation Report

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.BU026BRW.RATIOS                      Line 00000000 Col 001 079
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
01/04/99                      TMSM/MDS RATIOS                      PAGE 1
                              TMSM/MDS SEQ                        PCN: CED042.BRB026.A1SQ
-----
      TMSM      FAMILY      AIRCRAFT      SERIAL
      GROUP      MDS      NUMBER
-----
F0100100      ICW      F015B      1
F0100100      ICW      NOT INST      17
F0100100      ICW      18
F0100100      18
F0100100A      ICW      NOT INST      10
F0100100A      ICW      10
F0100100A      10
F0100100B      ICW      F015A      7
F0100100B      ICW      F015B      3
F0100100B      ICW      F015C      1
F0100100B      ICW      NOT INST      32
F0100100B      ICW      43
F0100100B      43

```

H9902724

Figure 3-244. B026A TMSM and/or MDS Ratio

```

Display Filter View Print Options Help
-----
SDSF OUTPUT DISPLAY CEJFN031 JOB02023 DSID 103 LINE 0 COLUMNS 02- 133
COMMAND INPUT ==> SCROLL ==> PAGE
***** TOP OF DATA *****
CDB DATE/TIME : 26FEB99/1514 * * * * * AIRCRAFT MISHAP REPORT * * * * * CED042.BRB031.A10A
REQ MDS: F016C REQ AC-SN; 8500001408 REQ ORG: OC-ALC/TI REQ CD: JANE REQ EXT:
ENGINE POS LST DEP MAINTENANCE LST FLD MAINTENANCE
SERIAL NO TSM INS <-DATE TYPE RES-> <---DATE RES--> TSN TS-OH TS-INS OUTSTANDING TCTOS
GEOE509709 F0110100 1 9A 11MAY98 147 2355.6 .0 127.2 2J-F110-703
2J-F110-705
2J-F110-721
2J-F110-732
2J-F110-733
2J-F110-741
2J-F110-743
2J-F110-744
2J-F110-705H

** BLANK DATA ELEMENTS ARE UNKNOWN
***** BOTTOM OF DATA *****

```

H9902725

Figure 3-245. B031 Aircraft Mishap Report

Sample Format, B037, Monthly, Current Month

BROWSE CE.BU037BRW.GAINLOSS.CURMONTH Line 00000000 Col 001 080

Command ==> Scroll ==> PAGE

***** Top of Data *****

RUN DATE: 03/31/1999 CEMS ENGINE GAINS/LOSSES PCN: CED042.NOB037.A100

RUN TIME: 13:53 REQUESTED REPORT

03/01/1999 - 03/20/1999

GAIN LOSS	TECH CODE	CI SER	ENGINE SER #	SRAN BASE	TRANSP CNTL#/ DOCUMENT #	TRANS DATE	POST DATE	T/C CODE	TYPE REPT	OWNR ACCT CODE	PREV ACCT CODE
--------------	--------------	-----------	-----------------	--------------	-----------------------------	---------------	--------------	-------------	--------------	----------------------	----------------------

GAINS/LOSSES FROM AIR FORCE INVENTORY

GAIN	PD	AF10010	PW0E714858	9130	EJ9130905705YA	99057	99060	AB	R	A	
GAIN	PD	AF10010	PW0E714859	9130	EJ9130905721YA	99057	99076	AB	R	A	
GAIN	PD	AF10010	PW0E714860	9130	EJ9130906022YA	99060	99076	AB	R	A	
GAIN	PD	AF10010	PW0E720355	9130	EJ9130907415YH	99074	99075	AB	R	A	
GAIN	PD	AF10010	PW0E720356	9130	EJ9130907416YH	99074	99075	AB	R	A	

H9902726

Figure 3-246. B037 Gain/Loss Reports, Daily, Monthly, or Annually

```

020104      0853      1534 TRANSACTION HISTORY      PCN: CED042.MRB100.A1SD
PROGRAM CEMRB100      PA1=NEXT PAGE      PF7=PREV      PF2=TOP      PF9=BOT      PAGE 1
CI: AF10010      SERIAL NUMBER: PWOE680182      SPEC-ST:      TSM: F0100100C
  DATE-OF-TRANS: 97329      98304      98334
  MMICS-SEQ-NUM: 1100273      1100035      1200005
    CMD: 4Z      4Z      4Z
  OWNING-ORGAN: C      C      C
    SRAN: 6202      6202      6202
    ACCT-CD: N      N      N
  TYPE-REPT: R      R      T
    T/C-CD: VA      VA      VA
TO-OR-FROM-CMD-SRAN:
  TYPE-CONT:
  TCN-DOC-NUM:
  REMV-RESN:
  RET-OVHL-CD:
ENG-TIME/CYC-COUNT: 04100      04112      04119
  REP-SER-NUM:
    NHA-DESIG: F015A      F015A      F015A
  EI-SER-NUM: 7700000105      7700000124      7700000124
    POS-NUM: 2      2      2
  SEC-ASST-PROG:
MORE DATA TO FOLLOW - PRESS PA1 KEY TO VIEW IT

```

H9902727

Figure 3-247. B100 AF Form 1534 Transaction History

```

Menu Utilities Compilers Help
-----
BROWSE      CE.CU007BRW.MONTHLY                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
      O C A L C - - P R O P U L S I O N   U N I T   R E S U P P L Y   T I M E   R E P O R T   - - Z / I          PART I
FAMILY GROUP F0112100                      SEQUENCE - FAMILY GROUP, MAJOR COMMAND, SRAN
PERIOD ENDED 01 FEB 99          DATA LIMITED TO ENGINES REPORTED IN ACCOUNTS A, G, N AND R          PCN: CED042.NPC001.A1MM
SRAN      SRAN      MAJ      MAJ O/H      DATE OF      DATE      DATE      SERVICE      DATE      DATE      DAYS      DAYS      DAYS      SHPMT      RMV TO
      DESCRIPTION  CMD      SERIAL      REMOVAL      RECVD      SENT      ENG SER      SERVC      RECVD      RPT TO      OCALC      EIM TO      TO      SERV
      NUMBER      REPORT      OCALC      TO EIM      NUMBER      SHPMT      BASE      OCALC      TO EIM      SHPMT      RECPT      RECPT
4528  MINOT AFB      CMB      WR00000565  21 JAN 99  99.021  99.021  WR00000565  99.008  99.021      0      0      13      13      26
      CMB      WR00000559  21 JAN 99  99.021  99.021  WR00000559  99.008  99.021      0      0      13      13      26
      CMB      WR00000547  21 JAN 99  99.021  99.021  WR00000547  99.008  99.021      0      0      13      13      26
      CMB      WR00000229  21 JAN 99  99.021  99.021  WR00000229  99.008  99.021      0      0      13      13      26
4528  MINOT AFB      AVERAGE RESUPPLY TIME      26.0 DAYS
FAMILY GROUP F0112100                      AVERAGE NUMBER OF DAYS BY MAJOR COMMAND
CMB      26.0
      ALL COMMANDS      26.0

```

H9902728

Figure 3-248. C001A-1 Propulsion Unit Resupply Time Reports (OC-ALC)

```

Menu Utilities Compilers Help
-----
BROWSE    CE.CU007BRW.MONTHLY                                CHARS 'J0085' found
Command ==>                                                Scroll ==> PAGE
                S A A L C - - P R O P U L S I O N   U N I T   R E S U P P L Y   T I M E   R E P O R T   - - Z / I
                PART I
FAMILY GROUP J00855H/5J/5L/5M/5P          SEQUENCE - FAMILY GROUP, MAJOR COMMAND, SRAN
PERIOD ENDED 01 MAR 99          DATA LIMITED TO ENGINES REPORTED IN ACCOUNTS A, G, N AND R          PCN: CED042.NPC001.A1MM
SRAN      SRAN      MAJ      MAJ O/H      DATE OF      DATE      DATE      SERVICE      DATE      DATE      DAYS      DAYS      DAYS      SHPMT      RMV TO
        DESCRIPTION  CMD      SERIAL      REMOVAL      RECVD      SENT      ENG SER      SERVC      RECVD      RPT TO      OCALC      EIM TO      TO      SERV
        NUMBER      REPORT      OCALC      TO EIM      NUMBER      SHPMT      BASE      OCALC      TO EIM      SHPMT      RECPT      RECPT
2373  AMARC D-MONTHAN  MTC  GE00232081  02 FEB 99  99.036  99.036  GE00232081  99.045  99.053      3      0      9      8      20
2373  AMARC D-MONTHAN          AVERAGE RESUPPLY TIME      20.0 DAYS

FAMILY GROUP J00855H/5J/5L/5M/5P          AVERAGE NUMBER OF DAYS BY MAJOR COMMAND

MTC      20.0

ALL COMMANDS      20.0

```

H9902729

Figure 3-249. C001A-2 Propulsion Unit Resupply Time Reports (SA-ALC)


```

Menu Utilities Compilers Help
-----
BROWSE      CE.CU002BRW.WEEKLY                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
000          S P A R E   E N G I N E   R E P O R T                               PAGE 1
PERIOD 22 FEB 99 - 26 FEB 99      SEQUENCE - COMD, FAMILY GROUP, SRAN, POSR COMMAND  PCN..CED042.NPC002.A1MW
      S R A N                      MAJ S E R V I C E A B L E      FIELD MAINTENANCE  TOTAL  OBLIG  NET  SERV  NORM  STK  REP
      NO.  N A M E                  CMD AWM IN-WORK NMCS  B-U RAW      AWM IN-WORK  NMCS  ON-HAND INST  SPARE  D-I   LEVL  VAR  D-I
FAMILY GROUP - J00855H/5J/5L/  AFE          END ITEM APPLICABLE - 5M/5P      T/AT038A/B
7000 USAF-ACADEMY

      * * * * END OF DATA FOR THIS COMMAND * * * *
000          S P A R E   E N G I N E   R E P O R T                               PAGE 2
PERIOD 22 FEB 99 - 26 FEB 99      SEQUENCE - COMD, FAMILY GROUP, SRAN, POSR COMMAND  PCN..CED042.NPC002.A1MW
      S R A N                      MAJ S E R V I C E A B L E      FIELD MAINTENANCE  TOTAL  OBLIG  NET  SERV  NORM  STK  REP
      NO.  N A M E                  CMD AWM IN-WORK NMCS  B-U RAW      AWM IN-WORK  NMCS  ON-HAND INST  SPARE  D-I   LEVL  VAR  D-I
FAMILY GROUP - F0110100/100B  AFE          END ITEM APPLICABLE -          F016C/D
5682 AVIANO AB
FAMILY GROUP - F0110129      AFE          END ITEM APPLICABLE -          F016B/C/D
5621 SPANGDAHLEM AB
FAMILY GROUP - F0100229A      AFE          END ITEM APPLICABLE -          F015E
5587 LAKENHEATH AB
FAMILY GROUP - T005607/7B      ETC          END ITEM APPLICABLE -          C/WC130B/E
5612 RAMSTEIN AB

      * * * * END OF DATA FOR THIS COMMAND * * * *
000          S P A R E   E N G I N E   R E P O R T                               PAGE 3
PERIOD 22 FEB 99 - 26 FEB 99      SEQUENCE - COMD, FAMILY GROUP, SRAN, POSR COMMAND  PCN..CED042.NPC002.A1MW

```

H9902730

Figure 3-250. C002A Spare Engine Report

3-250

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.CU005BRW.NMCS                      Line 00000000 Col 001 079
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
          DAILY NMCS ENGINE STATUS REPORT                      PAGE 1
990226  DATE                      BY COMMAND                PCN: CED042.NPC005.A3DD
00:48:21 TIME OF DAY                      RCS: TO BE ASSIGNED

          ENGINE
          SERIAL
          TRANSACTION
          AS OF DATE/  COND
TMSM    CII    NUMBER  CMD  SRAN    SRAN NAME  SEQUENCE NO.  CODE
F0100220A  AF10010  PW0E712145  0D  5587  LAKENHEATH AB  990260101464  EF
F0100220E  AF10010  PW0E703993  0D  5587  LAKENHEATH AB  990480201228  EF
F0100229A  AF10010  PW0E720033  0D  5587  LAKENHEATH AB  990270101443  EF
F0110100  AF11010  GE0E509627  0D  5682  AVIANO AB  990550200566  EF
F0110129  AF12910  GE0E538215  0D  5621  SPANGDAHLEM AB  990480200804  EF
F0110129  AF12910  GE0E538242  0D  5621  SPANGDAHLEM AB  983521200955  EF
          DAILY NMCS ENGINE STATUS REPORT                      PAGE 2
990226  DATE                      BY COMMAND                PCN: CED042.NPC005.A3DD
00:48:21 TIME OF DAY                      RCS: TO BE ASSIGNED

          ENGINE
          SERIAL
          TRANSACTION
          AS OF DATE/  COND
TMSM    CII    NUMBER  CMD  SRAN    SRAN NAME  SEQUENCE NO.  CODE
F0100220A  AF10010  PW0E712030  0DC  5587  LAKENHEATH AB  990480201230  EF

```

H9902733

Figure 3-252. C005A-1 NMCS Uninstalled Engine Status Report by Command

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.CU024BRW.SERVICE                      Line 00000000 Col 001 132
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
PREPARED 990226 00:49 PCN: CED042.NPC024.A10D PAGE NO: 1
      SERVICEABLE ENGINES IN DEPOT SUPPLY
      FJ 2029 SRAN NAME: HILL AFB
      TSM      SERIAL NO.  CMD  OWN  DATE  TYPE  T C  HOURS
      CDE  ORG  TRANS  CONT  C C
F0107101  WR00100383  1ME  D   98229  FAFL  R R    231
      TOTAL FOR TSM      1
      TOTAL FOR TM       1

F0110100  GE0E509820  1ME  D   99054  TAP6  R B   1844
      TOTAL FOR TSM      1
      TOTAL FOR TM       1

F0112100  WR00000023  1ME  D   96354  9999  R B   4456
F0112100  WR000000234  1ME  D   98117  9999  R B    312
F0112100  WR000000285  1ME  D   98341  FAFW  R B     95
F0112100  WR000000339  1ME  D   98341  FAFW  R B     95
F0112100  WR000000538  1ME  D   98237  9999  R B   2964
F0112100  WR000000556  1ME  D   98286  9999  R B    160
      TOTAL FOR TSM      6
      TOTAL FOR TM       6

```

H9902734

Figure 3-253. C005A-2 Serviceable Engines in Depot Supply

```

Menu Utilities Compilers Help
-----
BROWSE      CE.CU022BRW.OCALC                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
990226  DATE PROCESSED                INVENTORY STATUS LIST                PAGE 1
00:49:27 TIME OF DAY                OC-ALC 2039                PCN: CED042.NPC022.A10D
RCS: TO-BE-ASSIGNED....
TMSM      SERIAL  CMD A T TRANS  SEQ  T C TO OR  CON      TCN OR  REM  ENG  CYCLE RSN END-ITEM  END-ITEM  POS SPEC  RSN
          NUMBER    C R  DATE  NUMBER C C  FROM  TYPE  DOCUMENT NO  RSN  TIME  COUNT RTN  DESIG  SER NO  NO STAT  DLY
CFM56GEN  CF0E783196 1MDE T R 98303 1101038 N B      TAU7 MEPPCA83036000 000000 000000
CFM56GEN  CF0E783223 1MDE T R 98226 0806106 N B      TAU7 MEPPCA82256000 000000 000000
990226  DATE PROCESSED                INVENTORY STATUS LIST                PAGE 2
00:49:27 TIME OF DAY                OC-ALC 2039                PCN: CED042.NPC022.A10D
RCS: TO-BE-ASSIGNED....
TMSM      SERIAL  CMD A T TRANS  SEQ  T C TO OR  CON      TCN OR  REM  ENG  CYCLE RSN END-ITEM  END-ITEM  POS SPEC  RSN
          NUMBER    C R  DATE  NUMBER C C  FROM  TYPE  DOCUMENT NO  RSN  TIME  COUNT RTN  DESIG  SER NO  NO STAT  DLY
F0100100B PW0E680103 1MDE A R 98247 0901981 R L      TAP6 FJ2059824423X1 003104 000000
F0100100C PW0E680115 1MDE A R 98308 1101489 R L      TAH6 FJ2059829960X1 003443 000000
F0100100C PW0E680128 1MDE A R 98307 1101057 R L      TAP6 FJ2059829961X1 003215 000000
F0100100C PW0E680137 1MDE A R 98281 1002412 R L      TAP6 FJ2059826740X1 003857 000000
F0100100B PW0E680167 1MDE A R 98246 0901619 R L      TAP6 FJ2059824424X1 002702 000000
F0100100A PW0E680193 1MDE A R 98210 0800947 R L      TAP6 FJ2059819012X1 001571 000000
F0100100B PW0E680250 1MDE A R 98281 1002411 R L      TAP6 FJ2059826735X1 002559 000000
F0100100  PW0E680281 1MDE A R 98261 0906133 R L      TAP6 FJ2059825833X1 001171 000000
F0100100B PW0E680294 1MDE A R 98275 1001140 R L      TAP6 FJ2059826737X1 002754 000000
F0100100C PW0E680296 1MDE A R 98252 0902762 R L      TAP6 FJ2059824427X1 003539 000000

```

H9902735

Figure 3-254. C022A-1 Inventory Status Report (OC-ALC)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.CU022BRW.SAALC                      Line 00000000 Col 001 132
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
990226  DATE PROCESSED                      INVENTORY STATUS LIST                      PAGE 1
00:49:27 TIME OF DAY                      SA-ALC 2059                      PCN: CED042.NPC022.A20D
                                           RCS: TO-BE-ASSIGNED....

TMSM      SERIAL  CMD A T TRANS  SEQ  T C TO OR  CON  TCN OR  REM  ENG  CYCLE RSN END-ITEM  END-ITEM  POS SPEC  RSN
NUMBER    C R  DATE  NUMBER C C  FROM  TYPE  DOCUMENT NO  RSN  TIME  COUNT RTN  DESIG  SER NO  NO STAT  DLY
F0100100  PW0E680133 1M A A 4 93125 0500927 R L  TAP6 MISSINGAUGMENTO 002731 000000
F0100100A PW0E680201 1MFA A 4 96344 1201472 R L  TAP6 FJ56216324X001 001827 000000
F0100100  PW0E680383 1MFA A R 96253 0901381 R L  TAP6 FJ562162340001 003499 000000
F0100100C PW0E680396 1MFA A R 99036 0203253 P L  TAP6 MEPA9J90361901 003270 000000
F0100100B PW0E680469 1MFA A 4 96123 0500826 R L  TAP6 FJ237360670001 002928 000000
F0100100C PW0E680535 1MFA A 4 96163 0601929 R L  S999 FJ2805613701X6 003414 000000
F0100100C PW0E680594 1M R A R 98302 1008547 J K 003795 000000
F0100100B PW0E680757 1MFA A 4 96123 0500839 R L  TAP6 FJ237360670001 003286 000000
F0100100A PW0E680811 1M A A R 94189 0701447 N K 875 002536 000000 9A F015A 7400000130 1
F0100100C PW0E681036 1MFA A 4 97052 0206955 R L  S999 S2606A7049XA01 002213 000000
F0100100  PW0E681059 1M A A R 93161 0603242 R L  TAP6 FJ2065309602X1 001772 000000
F0100100C PW0E681126 1M R A R 98335 1200040 J K 003357 000000
F0100100  PW0E681160 1MFA A R 99047 0205249 N L  TAP6 UNKNOWN 002056 000000
F0100100C PW0E681237 1MFR A R 98307 1100628 J K 001760 000000
F0100100C PW0E681298 1MFR A R 98313 1102712 J K 003818 000000
F0100100  PW0E681344 1MFA A R 94108 0405258 R L  TAP6 FJ2373409502X1 002279 000000
F0100100C PW0E681396 1MFA A R 99036 0203251 P L  TAP6 MEPA9J90361902 003373 000000

```

H9902736

Figure 3-255. C022A-2 Inventory Status Report (SA-ALC)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.CU022BRW.OOALC                      Line 00000000 Col 001 132
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
990226  DATE PROCESSED                      INVENTORY STATUS LIST                      PAGE 1
00:49:27 TIME OF DAY                      OO-ALC 2029                      PCN: CED042.NPC022.A30D
                                           RCS: TO-BE-ASSIGNED....

TSM      SERIAL  CMD A T TRANS  SEQ  T C TO OR  CON  TCN OR  REM  ENG  CYCLE RSN  END-ITEM  END-ITEM  POS SPEC RSN
NUMBER    C R  DATE  NUMBER C C  FROM  TYPE  DOCUMENT NO  RSN  TIME  COUNT RTN  DESIG  SER NO  NO STAT DLY
F0100220F PW0E697373 1MEE A R 99033 0200138 J B      002522 000000
F0100220F PW0E698021 1MEE A R 99042 0200241 R A      001977 000000      F016C 8400001394 1
F0100220F PW0E703053 1MEE A R 99050 0200283 R A      002847 000000      F016C 8400001231 1
F0100220F PW0E703080 1MEE A R 99026 0100315 J B      003394 000000
F0100220F PW0E703207 1MEE A R 99041 0200277 R A      002957 000000      F016C 8400001238 1
F0100220F PW0E703292 1MEE A R 98330 1200179 J B      003946 000000
F0100220F PW0E703294 1MEE A R 99047 0200248 J B      003825 000000
F0100220F PW0E703369 1MEE A R 99056 0200338 R A      002864 000000      F016C 8400001265 1
F0100220F PW0E703531 1MEE A R 99028 0200106 R A      002921 000000      F016B 8000000630 1
F0100220F PW0E703541 1MEE A R 99040 0200197 J B      003057 000000
F0100220F PW0E703669 1MEE A R 98328 1100297 J B      002595 000000
F0100220F PW0E703673 1MEE A R 99049 0200287 R A      002765 000000      F016C 8400001299 1
F0100220F PW0E703680 1MED A R 98350 1200315 J B      002776 000000
F0100220F PW0E703700 1MED A R 99005 0100118 J B      003207 000000
F0100200C PW0E703766 1MED A R 92275 1000253 M Z      001681 000000      F016A 8200000937 1
F0100220B PW0E703931 1MEE A R 99034 0200195 F B      872 003211 000000
F0100220F PW0E705006 1MEE A R 99048 0200279 V A      002875 000000      F016D 8400001397 1

```

H9902737

Figure 3-256. C022A-3 Inventory Status Report (OO-ALC)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.CU022BRW.SMALC                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
990301  DATE PROCESSED          INVENTORY STATUS LIST          PAGE 1
00:52:20 TIME OF DAY          SM-ALC 2049                      PCN: CED042.NPC022.A40D
                                                                RCS: TO-BE-ASSIGNED....

TMSM      SERIAL  CMD A T TRANS  SEQ  T C TO OR  CON  TCN OR  REM  ENG  CYCLE RSN END-ITEM  END-ITEM  POS SPEC  RSN
          NUMBER   C R  DATE  NUMBER C C  FROM  TYPE  DOCUMENT NO  RSN  TIME  COUNT RTN  DESIG  SER NO  NO STAT  DLY
F0108100  CF0E710199 1MHG A R 98176 0600150 L B      872 003686 000000
F0108100  CF0E710204 1MHG A R 98176 0600151 L B      872 003686 000000
F0108100  CF0E710217 1MHG A R 98176 0600152 L B      872 003687 000000
F0108100  CF0E710964 1MHG A T 99059 0300001 V A      003550 000000      KC135R 5800000021 1
F0108100  CF0E710965 1MHG A T 99059 0300002 V A      003550 000000      KC135R 5800000021 4
F0108100  CF0E710966 1MHG A T 99059 0300003 V A      003545 000000      KC135R 5800000021 3
F0108100  CF0E710969 1MHG A T 99059 0300004 V A      003367 000000      KC135R 5700001499 2
F0108100  CF0E710971 1MHG A T 99059 0300005 V A      003366 000000      KC135R 5700001499 4
F0108100  CF0E710988 1MHG A T 99059 0300006 V A      003366 000000      KC135R 5700001499 1
F0108100  CF0E710991 1MHG A R 98152 0600141 J B      001863 000000
F0108100  CF0E711224 1MHG A R 98176 0600149 L B      872 003687 000000
F0108100  CF0E711259 1MHQ A R 97280 1000137 F B      872 004683 000000
F0108100  CF0E711260 1MHQ A R 97280 1000141 F B      872 004683 000000
F0108100  CF0E711267 1MHQ A R 97280 1000139 F B      872 004683 000000
F0108100  CF0E711269 1MHQ A R 97280 1000135 F B      872 004683 000000
F0108100  CF0E711954 1MHG A T 99059 0300007 V A      001282 000000      KC135R 5800000021 2
F0108100  CF0E712106 1MHG A T 99059 0300008 V A      003367 000000      KC135R 5700001499 3

```

H9902738

Figure 3-257. C022A-4 Inventory Status Report (SM-ALC)


```

Menu Utilities Compilers Help
-----
BROWSE      CE.CU022BRW.WRALC                      Line 00000000 Col 001 132
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
990301  DATE PROCESSED          INVENTORY STATUS LIST          PAGE 1
00:52:20 TIME OF DAY          WR-ALC 2065                      PCN: CED042.NPC022.A50D
                                                                RCS: TO-BE-ASSIGNED....
TSM      SERIAL  CMD A T TRANS  SEQ  T C TO OR  CON  TCN OR  REM  ENG  CYCLE RSN END-ITEM  END-ITEM  POS SPEC  RSN
NUMBER    C R DATE  NUMBER C C FROM  TYPE  DOCUMENT NO  RSN  TIME  COUNT RTN  DESIG  SER NO  NO STAT DLY
F0100100C PW0E680154 1MJF A R 99039 0200233 J F      004546 000000
F0100100C PW0E680459 1MJF A R 99049 0200405 L B      875 005133 000000
F0100100C PW0E680494 1MJF A R 99001 0100196 L B      875 003134 000000
F0100100C PW0E680621 1MJF A T 99059 0300001 V A      004902 000000      F015C 8000000004 1
F0100100C PW0E680675 1MJF A R 99055 0200413 L B      875 004798 000000
F0100100C PW0E680724 1MJF A T 99059 0300002 V A      004718 000000      F015C 8000000004 2
F0100100C PW0E680769 1MJF A R 99026 0100365 L F      231 004087 000000
F0100100C PW0E680870 1M A A R 99001 0100146 L F      475 003637 000000
F0100100C PW0E681037 1MJF A R 99001 0100197 L B      875 002536 000000
F0100100C PW0E681167 1MJF A R 99043 0200302 L B      875 003931 000000
F0100220E PW0E681169 1MJF A R 99057 0200427 L B      875 005214 000000
F0100100C PW0E681200 1MJF A R 99020 0100282 L F      232 003212 000000
F0100100C PW0E681205 1MJF A T 99059 0300003 V A      002247 000000      F015D 8200000046 2
F0100100C PW0E681208 1MJF A R 99043 0200301 L B      875 003725 000000
F0100100C PW0E681389 1MJF A R 99043 0200284 L F      135 004358 000000
F0100100C PW0E681791 1MJF A R 99029 0100413 L B      875 004466 000000
F0100100C PW0E681796 1MJF A R 99048 0200375 F B      223 003381 000000

```

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Figure 3-258. C022A-5 Inventory Status Report (WR-ALC)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.CU022BRW.BASE                               Line 00000000 Col 001 132
Command ==>                                           Scroll ==> PAGE
***** Top of Data *****
990226  DATE PROCESSED                                INVENTORY STATUS LIST                                PAGE 1
00:49:27 TIME OF DAY                                NAVY SPARE                                           PCN: CED042.NPC022.A60D
                                                    RCS: TO-BE-ASSIGNED....

TMSM      SERIAL  CMD A T TRANS  SEQ  T C TO OR  CON      TCN OR  REM  ENG  CYCLE RSN END-ITEM  END-ITEM  POS SPEC RSN
          NUMBER    C R DATE  NUMBER C C FROM  TYPE  DOCUMENT NO  RSN  TIME  COUNT RTN  DESIG  SER NO  NO STAT DLY
TF0030P414A PW00710108 ORDE T R 96248 0900009 R R      FAC9 N686216247G425 000000 000000

990226  DATE PROCESSED                                INVENTORY STATUS LIST                                PAGE 2
00:49:27 TIME OF DAY                                NAVY SPARE                                           PCN: CED042.NPC022.A60D
                                                    RCS: TO-BE-ASSIGNED....

TMSM      SERIAL  CMD A T TRANS  SEQ  T C TO OR  CON      TCN OR  REM  ENG  CYCLE RSN END-ITEM  END-ITEM  POS SPEC RSN
          NUMBER    C R DATE  NUMBER C C FROM  TYPE  DOCUMENT NO  RSN  TIME  COUNT RTN  DESIG  SER NO  NO STAT DLY
CFM56GEN  CF0E783108 1MDM J R 92177 0600200 R R      9999 DSRPE320075085 000000 000000
CFM56GEN  CF0E783142 1MDM J R 94085 0300162 R B      9999 RECORD ADJUST 000000 000000
CFM56GEN  CF0E783161 1MD T R 95124 0500107 C L 1M2185 9999 GE-EVENDALE 000000 000000
CFM56GEN  CF0E783162 1MD T R 95124 0500213 C L 1M2185 9999 GE-EVENDALE 000000 000000
CFM56GEN  CF0E783163 1MD T R 95124 0500319 C L 1M2185 9999 GE-EVENDALE 000000 000000
CFM56GEN  CF0E783164 1MD T R 95124 0500425 C L 1M2185 9999 GE-EVENDALE 000000 000000
CFM56GEN  CF0E783165 1MD T R 95124 0500531 C L 1M2185 9999 GE-EVENDALE 000000 000000
CFM56GEN  CF0E783166 1MD T R 95124 0500637 C L 1M2185 9999 GE-EVENDALE 000000 000000
CFM56GEN  CF0E783167 1MD T R 95124 0500743 C L 1M2185 9999 GE-EVENDALE 000000 000000
CFM56GEN  CF0E783168 1MD T R 95124 0500849 C L 1M2185 9999 GE-EVENDALE 000000 000000
CFM56GEN  CF0E783169 1MD T R 95124 0500955 C L 1M2185 9999 GE-EVENDALE 000000 000000

```

H9902740

Figure 3-259. C022A-6 Inventory Status Report (Base Level SRANs)

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.CU022BRW.SAALCDET                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
990226  DATE PROCESSED                      INVENTORY STATUS LIST                      PAGE 1
00:49:27 TIME OF DAY                      SA-ALC 2059                      PCN: CED042.NPC022.A70D
                                           RCS: TO-BE-ASSIGNED....

TSM      SERIAL  CMD A T TRANS  SEQ  T C TO OR  CON  TCN OR  REM  ENG  CYCLE RSN END-ITEM  END-ITEM  POS SPEC RSN
NUMBER    C R  DATE  NUMBER C C  FROM  TYPE  DOCUMENT NO  RSN  TIME  COUNT RTN  DESIG  SER NO  NO STAT DLY
F0100100 PW0E681160 1MFA A R 99047 0205249 N L  TAP6 UNKNOWN 002056 000000
F0100100 PW0E680133 1M A A 4 93125 0500927 R L  TAP6 MISSINGAUGMENTO 002731 000000
F0100100 PW0E680383 1MFA A R 96253 0901381 R L  TAP6 FJ562162340001 003499 000000
F0100100 PW0E681059 1M A A R 93161 0603242 R L  TAP6 FJ2065309602X1 001772 000000
F0100100 PW0E681344 1MFA A R 94108 0405258 R L  TAP6 FJ2373409502X1 002279 000000
F0100100A PW0E680811 1M A A R 94189 0701447 N K 875 002536 000000 9A F015A 7400000130 1
F0100100A PW0E680201 1MFA A 4 96344 1201472 R L  TAP6 FJ56216324X001 001827 000000
F0100100B PW0E680469 1MFA A 4 96123 0500826 R L  TAP6 FJ237360670001 002928 000000
F0100100B PW0E680757 1MFA A 4 96123 0500839 R L  TAP6 FJ237360670001 003286 000000
F0100100B PW0E681758 1MFA A R 97216 0800488 R L  TAP6 FJ4808720501X5 002048 000000
F0100100C PW0E680594 1M R A R 98302 1008547 J K 003795 000000
F0100100C PW0E681126 1M R A R 98335 1200040 J K 003357 000000
F0100100C PW0E681237 1MFR A R 98307 1100628 J K 001760 000000
F0100100C PW0E681298 1MFR A R 98313 1102712 J K 003818 000000
F0100100C PW0E681588 1MFR A R 98303 1009274 J K 004295 000000
F0100100C PW0E682156 1MFA A R 98344 1202455 J K 003398 000000
F0100100C PW0E682209 1MFR A R 98321 1104275 J K 002756 000000

```

H9902741

Figure 3-260. C022A-7 Inventory Status List (SA-ALC/LPFD)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.CU022BRW.SAALCSUM                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
990226  DATE PROCESSED                                INVENTORY STATUS SUMMARY                                PAGE 1
00:49:27 TIME OF DAY                                SA-ALC 2059                                PCN: CED042.NPC022.A80D
                                                    RCS: TO-BE-ASSIGNED...

      TSM      TRAN/      TRAN/COND
      ----      COND      TOTAL
      F0100100      NL      1
      F0100100      RL      4
                        -----
                        5

      F0100100A      NK      1
      F0100100A      RL      1
                        -----
                        2

      F0100100B      RL      3
                        -----
                        3

      F0100100C      JK      7

```

H9902743

Figure 3-261. C022A-8 Inventory Status Summary (SA-ALC)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.CU022BRW.OCALCDET                      Line 00000000 Col 001 132
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
990226  DATE PROCESSED                      INVENTORY STATUS LIST                      PAGE 1
00:49:27 TIME OF DAY                      OC-ALC 2039                      PCN: CED042.NPC022.A90D
                                           RCS: TO-BE-ASSIGNED....
TMSM      SERIAL  CMD A T TRANS  SEQ  T C TO OR  CON      TCN OR  REM  ENG  CYCLE RSN END-ITEM  END-ITEM  POS SPEC  RSN
          NUMBER    C R DATE  NUMBER C C FROM  TYPE  DOCUMENT NO  RSN  TIME  COUNT RTN  DESIG  SER NO  NO STAT  DLY
CFM56GEN  CF0E783196 1MDE T R 98303 1101038 N B  TAU7  MEPFCA83036000  000000 000000
CFM56GEN  CF0E783223 1MDE T R 98226 0806106 N B  TAU7  MEPFCA82256000  000000 000000
F0100100  PW0E680281 1MDE A R 98261 0906133 R L  TAP6  FJ2059825833X1  001171 000000
F0100100  PW0E680592 1MDE A R 98293 1005586 R L  TAP6  FJ2059828647X1  002075 000000
F0100100  PW0E680695 1MDE A R 98210 0800939 R L  TAP6  FJ2059820218X1  002107 000000
F0100100  PW0E681217 1MDE A R 98215 0800948 R L  TAP6  FJ2059819013X1  001523 000000
F0100100  PW0E681364 1MDE A R 98341 1205490 R L  9999  FJ2606A8323XA08  002312 000000
F0100100  PW0E681489 1MDE A R 98282 1002988 R L  TAP6  FJ2059827841X1  001455 000000
F0100100  PW0E682021 1MDE A R 98282 1002986 R L  TAP6  FJ2059827842X1  002183 000000
F0100100  PW0E682250 1MDE A R 98215 0800946 R L  TAP6  FJ2059818211X1  001744 000000
F0100100  PW0E682301 1MDE A R 98210 0800941 R L  TAP6  FJ2059818210X1  001254 000000
F0100100  PW0E682305 1MDE A R 98299 1101024 R L  TAP6  FJ2059829253X1  001754 000000
F0100100  PW0E682310 1MDE A R 98282 1002989 R L  TAP6  FJ2059827843X1  001314 000000
F0100100A PW0E680193 1MDE A R 98210 0800947 R L  TAP6  FJ2059819012X1  001571 000000
F0100100A PW0E680859 1MDE A R 98282 1002996 R L  TAP6  FJ2059827844X1  002481 000000
F0100100A PW0E681079 1MDE A R 98282 1002994 R L  TAP6  FJ2059827845X1  002975 000000
F0100100A PW0E681355 1MDE A R 98286 1003600 R L  TAP6  FJ2059827846X1  003025 000000

```

H9902744

Figure 3-262. C022A-9 Inventory Status List (OC-ALC)

```

Menu  Utilities  Compilers  Help
-----
BROWSE    CE.CU022BRW.OCALCSUM                               Line 00000000 Col 001 132
Command ==>                                                    Scroll ==> PAGE
***** Top of Data *****
990226  DATE PROCESSED                INVENTORY STATUS SUMMARY                PAGE    1
00:49:27 TIME OF DAY                  OC-ALC  2039                          PCN: CED042.NPC022.A00D
                                                    RCS: TO-BE-ASSIGNED....

              TSM                    TRAN/          TRAN/COND
              ---                    COND           TOTAL
              -----
              CFM56GEN                NB              2
              -----
              F0100100                RL              11
              -----
              F0100100A                RL              7
              -----
              F0100100B                RL              21
              -----
              21

                                                    H9902745

```

Figure 3-263. C022A-10 Inventory Status Summary (OC-ALC)

```

Menu Utilities Compilers Help
-----
BROWSE      CE.CU025BRW.WORK.COMPLETE                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
PREPARED 990226 00:48 PCN: CED042.NPC025.A1OD PAGE NO: 1
          ENGINE WORK COMPLETE REPORTS
          CURRENT MONTH TO DATE: 99032 - 99059
          FJ 2029 SRAN NAME: HILL AFB-DEPOT
          TSM SERIAL NO. CMD OWN DATE REM T C HOURS
          CDE ORG TRANS RSN C C
F0100200C PW0E705273 1ME D 99054 F B 2383
          TOTAL FOR TSM 1
F0100220B PW0E703931 1ME E 99034 F B 3211
          TOTAL FOR TSM 1
F0100220F PW0E705069 1ME D 99054 F B 2170
F0100220F PW0E705141 1ME E 99046 F B 2212
          TOTAL FOR TSM 2
          TOTAL FOR TM 4
F0110100 GE0E509241 1ME E 99034 F B 2985
F0110100 GE0E509271 1ME D 99040 F B 1940
F0110100 GE0E509438 1ME E 99034 F B 2032
F0110100 GE0E509665 1ME E 99034 F B 1996
F0110100 GE0E509717 1ME D 99049 F B 2378

```

H9902746

Figure 3-264. C025A Engine and/or Module Work Complete Report

```

Menu Utilities Compilers Help
-----
BROWSE      CE.CU026BRW.GAINLOSS                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
FEB 10, 1999
MONTHLY GAIN/LOSS TRANSACTIONS      PCN: CED042.NPC026.A10M
-----
TECH  CI      ENGINE  SRAN  ENG  TRANSP CNTL NO/  DATE  T/C  TYPE  OWNR
CODE                                OF    CD  REPT  ACCT
                                TRANS                                CD
-----
PA  AF10010  PW0E714658  00TW  YF  DTW00          99006  CB   K   J
PA  AF10010  PW0E714661  00TW  YF  DTW00          99005  CB   K   J
PA  AF10010  PW0E714683  00TW  YA  DTW00          99001  CB   K   J
PA  AF10010  PW0E714684  00TW  YA  DTW00          99005  CB   K   J
PA  AF10010  PW0E714752  00TW  YF  DTW00          99005  CB   K   J
PA  AF10010  PW0E714758  00TW  YF  DTW00          99005  CB   K   J
PA  AF10010  PW0E714781  00TW  YA  DTW00          99005  CB   K   J
PA  AF10010  PW0E714785  00TW  YA  DTW00          99005  CB   K   J
PA  AF10010  PW0E714788  00TW  YF  DTW00          99005  CB   K   J
PA  AF10010  PW0E714789  00TW  YF  DTW00          99005  CB   K   J
PA  AF10010  PW0E714790  00TW  YF  DTW00          99005  CB   K   J
PA  AF10010  PW0E714791  00TW  YF  DTW00          99005  CB   K   J
PA  AF10010  PW0E714796  00TW  YF  DTW00          99005  CB   K   J
PA  AF10010  PW0E714815  00TW  YA  DTW00          99005  CB   K   J
PA  AF10810  CF0E714145  9432  HM  EJ28119823601HM  99029  AB   R   A

```

H9902747

Figure 3-265. C026A Monthly Gain and/or Loss Transaction Report


```

                                CEMS C035 INQUIRY DEFINITION
                                TRANSACTION CONDITION DETAIL SUMMARY
TIME- 08:20          TODAY'S DATE- 02/05/20  JULIAN DATE- 02.140

SELECT CII          ===> AF10010      (REQUIRED ENTRY)
SELECT SRAN         ===> 4800
SELECT CMD          ===>
FROM DATE           ===> 01150        (REQUIRED ENTRY, I.E. YYDDD)
TO INCLUDE DATE     ===> 02120        (REQUIRED ENTRY)
TMSM                ===>
PART NUMBER         ===>
TRANSACTION CONDITION CODES ==>  F      L      V
      (ENTER AT LEAST ONE)

VA TRANSACTION CODE (R REPORTS ONLY) ===>  Y  (Y = EXCLUDE 'T' -
                                                REPORTS)
TRANSFER ==>          1 POSITION Y OR SPACE(OPTIONAL) A 'Y'      -
                        PRODUCES A PC-FORMATTED DATASET

PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER  TO CONTINUE

```

H9902748

Figure 3-266. C035 Transaction Condition Detail Summary

```

                                CEMS D042D PIPELINE PRODUCTS
DATE - 01/04/02                                TIME - 14:49
SELECT THE NUMBER CORRESPONDING TO THE PRODUCT ==>

NUM  PROGRAM  REPORT DESCRIPTION                                REPORT SEQUENCE
---  -
      ----- MONTHLY BROWSE PRODUCTS -----
ENTER MONTH(MMM) AND YEAR(YY) REQUIRED =====>
 1   D305     TRANSACTION ERRORS/CORRECTIONS            TMSM, SN
 2   D305     PROCESSED TRANSACTIONS                    TMSM, SN
 3   D351     MTHLY BASE/SRAN DETAIL SUMM               SRAN, CMD, TMSM, PIPECD
 4   D352     MTHLY W/W DETAIL SUMMARY                   TMSM, PIPECD
 5   D353     MTHLY CMD DETAIL SUMMARY                   CMD, TMSM, PIPECD
 6   D354     MTHLY MAJCOM PAST MTH SUMM                 CMD, TMSM, PIPECD
 7   D355     MTHLY W/W PAST MONTH SUMMARY              TMSM, PIPECD
      ----- QUARTERLY BROWSE PRODUCTS -----
ENTER YEAR(YY) AND QUARTER(QQ) REQUIRED =====>
 8   D351     QRTLY BASE/SRAN DETAIL SUMM               SRAN, CMD, TMSM, PIPECD
 9   D352     QRTLY W/W DETAIL SUMMARY                   TMSM, PIPECD
10   D353     QRTLY CMD DETAIL SUMMARY                   CMD, TMSM, PIPECD
11   D354     QRTLY MAJCOM PAST QTR SUMM                 CMD, TMSM, PIPECD
12   D355     QRTLY W/W PAST QTR SUMMARY                TMSM, PIPECD

PRESS PF3KEY TO RETURN TO MAIN MENU

```

H0102581

Figure 3-267. D042D Pipeline Products Browse Screen

```

----- VPSPRINT EXECUTION PANEL -----
COMMAND ==>
REQUIRED PARAMETERS:
  DATASET TO BE PRINTED =====> 'CE.DP307BRW.Pipeline.ERRCORR'
  PRINTER NAME =====> VTACE021
OPTIONAL PARAMETERS:
  OUTPUT CLASS                ==>
  HOLD OUTPUT                  (Y/N) ==> N
  FCB NAME                    ==>
  NUMBER OF COPIES            ==>
  OUTPUT FORM NAME            ==>
  MAX PAGE LENGTH             ==>
  PRINT HEADER                 (Y/N) ==>
  EJECT AFTER HEADER (Y/N)    ==>
  NUMBERED DATASET            (Y/N) ==>
  PRINT SPACING                (S/D/C) ==>
  BOTTOM MARGIN                ==>
  TOP MARGIN                   ==>
  EOJ MESSAGE                  (Y/N) ==>
  LOG MESSAGE                  (Y/N) ==>
  PAGE LIMIT --- FIRST PAGE ==>          LAST PAGE ==>
  LINE LIMIT --- FIRST LINE ==>          LAST LINE ==>
  ADDITIONAL OPTIONS ==>

```

H0102582

Figure 3-268. Sample Format Data Set Print Screen

Figure 3-269. D042D-1 Transaction Errors/Corrections Report

[illegible]

H9902750

Figure 3-270. D042D-2 Processed Transactions Report

H9902751

Figure 3-271. D042D-3 Monthly Base/SRAN Pipeline Detail Summary Report

3-271

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Menu Utilities Compilers Help
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
BROWSE      CE.DP350BRW.PIPELINE.RPT.D353M.MJAN01      Line 00000000 Col 001 132
Command ==>                                           Scroll ==> PAGE
***** Top of Data *****
!!!!!!!!!!!!!! UNCLASSIFIED SENSITIVE !!!!!!!!!!!!!!!
COMMAND: 0D                                           PCN: CED042D.CE.DP350BRW.PIPELINE.RPT.D353M.MJAN01
TMSM:   F0100220A                                COMMAND PIPELINE SUMMARY REPORT      PAGE:      1
RUN DATE: 03-12-01  TIME: 08:23                    AS OF 31 JAN 01

  SEG      PAST      ----- PREVIOUS MONTHS ----- PAST6-MONTHS
CODE SEGMENT DESC      MONTH      2      3      4      5      6      AVERAGE      T.O.
                                NUM OCC% FAVG  NUM OCC% FAVG  NUM OCC% FAVG  NUM OCC% FAVG  NUM OCC% FAVG  NUM OCC% FAVG  STD
-----
A1A  RMVL TO ST WK      5  83   1.1   2 100   .1   1 25   .0   2 67   2.3   4  80   1.5   4  80   3.8   18 72   1.6   2.0
A1B  RECEIPT TO ST WK   1  17   .0                1 25   .2                2  8   .0   2.0
A1C  CHG MNT TO ST WK                2  50   .0   1 33   .0   1 20   .0   1 20   .0   5 20   .0   2.0
TOTAL FOR SEG: A1
WKLD PROC COMP      6                1.1   2     .1   4     .2   3     2.3   5     1.5   5     3.8   25     1.6   2.0
A2A  IN WORK            6 100  18.7   2 100  12.1   4 100  21.8   3 100  13.0   5 100  14.5   5 100   8.3   25 100  15.1   7.0

```

H9902754

Figure 3-273. D042D-5 Monthly Command Pipeline Summary Report


```
Menu Utilities Compilers Help
#####
BROWSE      CE.DP350BRW.PIPELINE.RPT.D354M.MDEC00      Line 00000000 Col 001 132
Command ==>                                           Scroll ==> PAGE
***** Top of Data *****
!!!!!!!!!!!!!! UNCLASSIFIED SENSITIVE !!!!!!!!!!!!!!!
COMMAND: 0D                                           PCN: CED042D.CE.DP350BRW.PIPELINE.RPT.D354M.MDEC00
TSM:      F0100220A      MAJCOM PAST MONTH PIPELINE SUMMARY REPORT      PAGE:      1
RUN DATE: 03-09-01  TIME: 12:41      AS OF 31 DEC 00

SEG      5587
CODE SEGMENT DESCRIPTION      NUM FAVG      NUM FAVG      NUM FAVG      NUM FAVG      NUM FAVG      NUM FAVG      T.O.
-----
A1A      RMVL TO ST WK      2      .1      2.0
A1      WKLD PROC COMP      2      .1      2.0
A2A      IN WORK      2 12.1      7.0
A2B      AWAIT MAINT      1      .5
A2      BASE REP SEG CMP      2 12.6
A      BASE REP CYCLE      2 12.7      9.0

H9902755
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Figure 3-274. D042D-6 MAJCOM Past Month Pipeline Summary Report

H9902756

Figure 3-275. D042D-7 Worldwide Past Month Pipeline Summary Report

[illegible]

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Command: 1119
***** UNCLASSIFIED SENSITIVE *****
SRAN: 4800 1C LANGLEY 1 FW PCN: CED042D.CE.DP350BRW.Pipeline.RPT.D351Q.Q0004
TMSM: F0100100C BASE/SRAN PIPELINE DETAIL SUMMARY REPORT PAGE: 557
RUN DATE: 03-09-01 TIME: 13:19 AS OF 31 DEC 00

```

SEG CODE	SEGMENT	DESC	PAST QUARTER			PREVIOUS QUARTERS												PAST6-QTRS AVERAGE			T.O. STD			
			NUM	OCC%	FAVG	2			3			4			5			6						
						NUM	OCC%	FAVG	NUM	OCC%	FAVG	NUM	OCC%	FAVG	NUM	OCC%	FAVG	NUM	OCC%	FAVG		NUM	OCC%	FAVG
A1A	RMVL TO ST WK		39	87	4.1	37	84	6.8	33	89	4.3	45	88	1.2	31	84	4.1	33	87	7.1	218	87	4.5	2.0
A1B	RECEIPT TO ST WK		2	4	.6				3	8	.2	1	2	.0	3	8	.0	1	3	.0	10	4	.1	2.0
A1C	CHG MNT TO ST WK		4	9	.6	7	16	.1	1	3	.0	5	10	.0	3	8	.1	4	11	.0	24	10	.1	2.0
A1F	AWAIT DISP																	1	3	.3	1		.1	2.0
TOTAL FOR SEG: A1 WKLD PROC COMP			45		5.3	44		6.9	37		4.5	51		1.2	37		4.2	38		7.4	252		4.8	2.0
A2A	IN WORK		45	100	27.5	44	100	18.3	37	100	28.8	51	100	19.7	37	100	23.3	38	100	31.5	252	100	24.5	7.0

H9902757

Figure 3-276. D042D-8 Quarterly Base/SRAN Pipeline Detail Summary Report

Menu Utilities Compilers Help																									
#####																									
BROWSE CE.DP350BRW.PIPELINE.RPT.D352Q.Q0004																			CHARS 'UNCLASSIF' found						
Command ==>																			Scroll ==> PAGE						
BASE SERV B-UP																									
													!!!!!!!!!!!!!! UNCLASSIFIED SENSITIVE !!!!!!!!!!!!!!!												
													PCN: CED042D.CE.DP350BRW.PIPELINE.RPT.D352Q.Q0004												
TMSM: F0100100C													WORLD WIDE PIPELINE SUMMARY REPORT												
RUN DATE: 03-09-01 TIME: 13:19													AS OF 31 DEC 00												
													PAGE: 4												
SEG		PAST		----- PREVIOUS QUARTERS -----																		PAST6-QTRS			
		QUARTER		2			3			4			5			6			AVERAGE			T.O.			
CODE SEGMENT DESC		NUM OCC% FAVG			NUM OCC% FAVG			NUM OCC% FAVG			NUM OCC% FAVG			NUM OCC% FAVG			NUM OCC% FAVG			NUM OCC% FAVG STD					

A1A	RMVL TO ST WK	182	82	8.5	188	83	7.5	159	75	4.8	210	88	5.2	174	85	5.2	198	77	7.2	1111	82	6.4	2.0		
A1B	RECEIPT TO ST WK	7	3	.2	5	2	.1	12	6	.2	2	1	.1	5	2	.0	6	2	.2	37	3	.1	2.0		
A1C	CHG MNT TO ST WK	32	14	.4	32	14	.0	42	20	.2	28	12	.2	26	13	.0	51	20	.2	211	15	.2	2.0		
A1E	OTHER REP ACTION				1		.0	2	1	.0	2	1	.3	3	1	.0	1		.0	9	1	.1	2.0		
A1F	AWAIT DISP	1		.0	1		.0	3	1	.0	2	1	.0	5	2	.0	3	1	.2	15	1	.0	2.0		
TOTAL FOR SEG: A1		221		9.1	225		7.6	213		5.2	240		5.8	205		5.2	256		7.8	1360		6.8	2.0		

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[illegible]

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Figure 3-278. D042D-10 Quarterly Command Pipeline Summary Report

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Menu Utilities Compilers Help
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
BROWSE      CE.DP350BRW.PIPELINE.RPT.D354Q.Q0004      Line 00000000 Col 001 132
Command ==>                                           Scroll ==> PAGE
***** Top of Data *****
!!!!!!!!!!!!!! UNCLASSIFIED SENSITIVE !!!!!!!!!!!!!!!
COMMAND: 0D                                           PCN: CED042D.CE.DP350BRW.PIPELINE.RPT.D354Q.Q0004
TMSM:   F0100220A      MAJCOM PAST QUARTER PIPELINE SUMMARY REPORT      PAGE:   1
RUN DATE: 03-09-01  TIME: 13:20      AS OF 31 DEC 00

SEG          5587
CODE SEGMENT DESCRIPTION      NUM  FAVG  NUM  FAVG  NUM  FAVG  NUM  FAVG  NUM  FAVG  NUM  FAVG  T.O.
-----
A1A      RMVL TO ST WK          5    .8                                2.0
A1B      RECEIPT TO ST WK       1    .1                                2.0
A1C      CHG MNT TO ST WK       3    .0                                2.0
A1        WKLD PROC COMP        9    .9                                2.0
A2A      IN WORK                9  16.7                                7.0
A2B      AWAIT MAINT            4    6.5
```

H9902760

Figure 3-279. D042D-11 MAJCOM Past Quarter Pipeline Summary Report

H9902761

3-279

ENGINE PIPELINE STRUCTURE

	DEP	BASE	START	NEXT POSSIBLE TRANSACTION	TRIGGER TRANS.
A BASE REPAIR CYCLE					
A1 BASE WORKLOAD PROCESSING COMPLETE					
A1A REMOVE TO START WORK	B	LF/KF	JF	FB/FR	
	B	LG/KG	JG	FB/FR	
A1B RECEIPT TO START WORK	B	RF	JF	FB/FR	
	B	RG	JG	FB/FR	
A1C CHG IN MAINT TO START WORK	B	MF	JF	FB/FR	
	B	MG	JG	FB/FR	
A1D GAIN TO START WORK	B	BF/CF	JF	FB/FR	
	B	BG/CG	JG	FB/FR	
A1E OTHER BASE REPAIR ACTIONS	B	BF/CF	NF/MG/ML	FB/FR	
	B	BG/CG	NG/ML	FB/FR	
	B	BL/CL/KL/LL/ML	NL	FB/FR	
	B	KF/LF/RF	NF/ML	FB/FR	
	B	KG/LG/RG	NG/ML	FB/FR	
	B	MC/RC	NC	FB/FR	
	B	MF	NF	FB/FR	
	B	MG	NG	FB/FR	
A1F AWAITING DISPOSITION	B	NC	ML	FB/FR	
	B	NF	JF/ML	FB/FR	
	B	NG	JG/ML	FB/FR	
	B	NL	MC/MF/MG	FB/FR	
A2 BASE REPAIR SEGMENT COMPLETE					
A2A IN WORK COMPLETE	B	JF	EF/HF/GF/NF/MG/ML	FB/FR	
	B	JF/GF/JG/GG	FB	FB	
	B	GF	EF/HF/GF/NF/ML	FB/FR	
	B	JG	EG/HG/GG/NG/ MF/ML	FB/FR	
	B	JG/GG	FR	FR	
	B	GG	EG/HG/GG/NG/ML	FB/FR	
A2B AWAIT MAINT COMPLETE	B	HF	JF/NF/ML	FB/FR	
	B	HG	JG/NG/ML	FB/FR	
A2C ENMCS COMPLETE	B	EF	JF/HF/ML	FB/FR	
	B	EG	JG/HG/ML	FB/FR	
B QUEEN BEE RETROGRADE CYCLE					

***** NOTE: Reflect total elapsed time from BEGIN T/CC until the asset is shipped (SF or SG) off base in B1A thru B1E segments.

B1 REMOVE/INSPECT/PROCESS TO SHIP

B1A REMOVE TO SHIP	D	B	LF/KF	JF/NF/ML	SF/SG
	D	B	LF/KF	SF	SF
	D	B	LG/KG	JG/NG/ML	SF/SG

H9902762

Figure 3-281. D042D-13 Engine Pipeline Structure (Sheet 1 of 13)

ENGINE PIPELINE STRUCTURE

	DEP	BASE	START	NEXT POSSIBLE TRANSACTION	TRIGGER TRANS.
	D	B	LG/KG	SG	SG
	D	B	LL/KL	NL	SF/SG
	D		LF/KF	MK	SF/SG
	D		LG/KG	MK	SF/SG
	D		LL/KL	JL/MK	SF/SG
	D		LK	JK/ML/PK	SF/SG
B1B RECEIPT TO SHIP	D	B	RF	JF/NF/ML	SF/SG
	D	B	RF	SF	SF
	D	B	RG	JG/NG/ML	SF/SG
	D	B	RG	SG	SG
	D		RC	PC	SF/SG
	D		RF	PF	SF/SG
	D		RG	PG	SF/SG
	D		RL	JL/MC/MK/PL	SF/SG
B1C CHG IN MAINT TO SHIP	D	B	MC	NC	SF/SG
	D	B	MF	JF/NF	SF/SG
	D	B	MF	SF	SF
	D	B	MG	JG/NG	SF/SG
	D	B	MG	SG	SG
	D	B	ML	NL	SF/SG
	D		MK	JK	SF/SG
	D		MK	NK	SF/SG
	D		ML	JL	SF/SG
B1D GAIN TO SHIP	D	B	BF/CF	JF/NF/MG/ML	SF/SG
	D	B	BF/CF	SF	SF
	D	B	BG/CG	JG/NG/ML	SF/SG
	D	B	BG/CG	SG	SG
	D	B	BL/CL	NL	SF/SG
	D		BF/CF/DF	PF	SF/SG
	D		BG/CG/DG	PG	SF/SG
	D		BL/CL/DL	PL	SF/SG
	D		CL	JL	SF/SG
B1D AWAIT DISPOSITION TO SHIP	D	B	NC	ML	SF/SG
	D	B	NF	JF/ML	SF/SG
	D	B	NF	SF	SF
	D	B	NG	JG/ML	SF/SG
	D	B	NG	SG	SG
	D	B	NL	MC/MF/MG	SF/SG
	D		NC	PC	SF/SG
	D		NF	PF	SF/SG
	D		NG	PG	SF/SG
	D		NK	JK/MC/ML/PK	SF/SG
	D		NL	PL	SF/SG

NOTE: Breakout into the following segments based upon location of both shipping and receiving bases.

B2 RETROGRADE TRANSPORTATION - BASE TO BASE/QB

B2A CONUS TO CONUS	D	B	SF (from one base)	RF (at another base)	RF
	D	B	SG (from one base)	RG (at another base)	RG
	D	B	TB/TR (from one base)	RF/RG(at another base)	RF/RG

H9902763

Figure 3-281. D042D-14 Engine Pipeline Structure (Sheet 2 of 13)

ENGINE PIPELINE STRUCTURE

		DEP	BASE	START	NEXT POSSIBLE TRANSACTION	TRIGGER TRANS.		
B2B	INTRATHEATER (AREAS 1,2,3,4)	D	B	Same as B2A	Same as B2A	Same as B2A		
B2C	OVERSEAS (AREAS 1&2) TO CONUS	D	B	Same as B2A	Same as B2A	Same as B2A		
B2D	OVERSEAS (AREA 3) TO CONUS	D	B	Same as B2A	Same as B2A	Same as B2A		
B2E	OVERSEAS (AREA 4) TO CONUS	D	B	Same as B2A	Same as B2A	Same as B2A		
B2F	AREA 1 TO 2	D	B	Same as B2A	Same as B2A	Same as B2A		
B2G	AREA 1 TO 3	D	B	Same as B2A	Same as B2A	Same as B2A		
B2H	AREA 1 TO 4	D	B	Same as B2A	Same as B2A	Same as B2A		
B2I	AREA 2 TO 1	D	B	Same as B2A	Same as B2A	Same as B2A		
B2J	AREA 2 TO 3	D	B	Same as B2A	Same as B2A	Same as B2A		
B2K	AREA 2 TO 4	D	B	Same as B2A	Same as B2A	Same as B2A		
B2L	AREA 3 TO 1	D	B	Same as B2A	Same as B2A	Same as B2A		
B2M	AREA 3 TO 2	D	B	Same as B2A	Same as B2A	Same as B2A		
B2N	AREA 3 TO 4	D	B	Same as B2A	Same as B2A	Same as B2A		
B2O	AREA 4 TO 1	D	B	Same as B2A	Same as B2A	Same as B2A		
B2P	AREA 4 TO 2	D	B	Same as B2A	Same as B2A	Same as B2A		
B2Q	AREA 4 TO 3	D	B	Same as B2A	Same as B2A	Same as B2A		
B3 BASE REPAIR – INCOMPLETE								
B3A	IN WORK – INCOMPLETE INFORMATION ONLY	D	B	JF	EF/HF/GF/NF/MG/ML	SF/SG		
		D	B	GF	EF/HF/GF/NF/ML	SF/SG		
		D	B	JG	EG/HG/GG/NG/MF/ML	SF/SG		
		D	B	GG	EG/HG/GG/NG/ML	SF/SG		
		D		JK/GK	EK/GK/HK/ML	SF/SG		
		D		JL/GL	EL/GL/HL/MK	SF/SG		
		D		JL	MC/ML	SF/SG		
		D		PC	NC/XC	SF/SG		
		D		PF	JF/MK/ML/NF	SF/SG		
		D		PG	JG/MK/ML/NG	SF/SG		
		D		PK	JK/MG/ML/NK	SF/SG		
		D		PL	JL/MK/NL	SF/SG		
		B3B	AWAIT MAINT – INCOMPLETE	D	B	HF	JF/NF/ML	SF/SG
				D	B	HF	SF	SF
D	B			HG	JG/NG/ML	SF/SG		
D	B			HG	SG	SG		
D				HK	JK/NK	SF/SG		
D				HL	JL/NL	SF/SG		
B3C	ENMCS – INCOMPLETE	D	B	EF	JF/HF/ML	SF/SG		
		D	B	EG	JG/HG/ML	SF/SG		
		D		EK	JK	SF/SG		
		D		EL	JL	SF/SG		
QUEEN BEE RESUPPLY CYCLE								
C1	BASE NOTICE TO SHIP – BASE TO QB NOT MEASURED	D	B	SF (from one base)	SB (from QB base)	SB		
		D	B	SG (from one base)	SR (from QB base)	SR		

H9902765

Figure 3-281. D042D-15 Engine Pipeline Structure (Sheet 3 of 13)

ENGINE PIPELINE STRUCTURE

DEP	BASE	START	NEXT POSSIBLE TRANSACTION	TRIGGER TRANS.
-----	------	-------	------------------------------	-------------------

NOTE: Breakout into the following segments based upon location of both shipping and receiving bases.

C2 RESUPPLY TRANSPORTATION – BASE/QB TO BASE

C2A	CONUS TO CONUS	B	SB (from one base) RB (at another base)	RB
		B	SR (from one base) RR (at another base)	RR
		B	TB/TR (from one base) RB/RR(at another base)	RB/RR
C2B	INTRTHEATER (AREAS1, 2, 3, 4)	B	Same as C2A	Same as C2A
C2C	CONUS TO OVERSEAS (AREAS 1&2)	B	Same as C2A	Same as C2A
C2D	CONUS TO OVERSEAS (AREA 3)	B	Same as C2A	Same as C2A
C2E	CONUS TO OVERSEAS (AREA 4)	B	Same as C2A	Same as C2A
C2F	AREA 1 TO 2	B	Same as C2A	Same as C2A
C2G	AREA 1 TO 3	B	Same as C2A	Same as C2A
C2H	AREA 1 TO 4	B	Same as C2A	Same as C2A
C2I	AREA 2 TO 1	B	Same as C2A	Same as C2A
C2J	AREA 2 TO 3	B	Same as C2A	Same as C2A
C2K	AREA 2 TO 4	B	Same as C2A	Same as C2A
C2L	AREA 3 TO 1	B	Same as C2A	Same as C2A
C2M	AREA 3 TO 2	B	Same as C2A	Same as C2A
C2N	AREA 3 TO 4	B	Same as C2A	Same as C2A
C2O	AREA 4 TO 1	B	Same as C2A	Same as C2A
C2P	AREA 4 TO 2	B	Same as C2A	Same as C2A
C2Q	AREA 4 TO 3	B	Same as C2A	Same as C2A

D DEPOT RETROGRADE CYCLE**D1 BASE WORKLOAD PROCESSING INCOMPLETE**

D1A	REMOVE TO START WORK	D	B	LF/KF	JF	SC/SL
		D	B	LG/KG	JG	SC/SL
		D		PF	JF	SC/SL
		D		PG	JG	SC/SL
		D		LL/KL/PL	JL	SC/SL
		D		LK/PK	JK	SC/SL
		D		LK	PK	SC/SL
D1B	RECEIPT TO START WORK	D	B	RF	JF	SC/SL
		D	B	RG	JG	SC/SL
		D		RC	PC	SC/SL
		D		RF	PF	SC/SL
		D		RG	PG	SC/SL
		D		RL	JL/PL	SC/SL
D1C	CHG IN MAINT TO START WORK	D	B	MF	JF	SC/SL
		D	B	MG	JG	SC/SL
		D		MK	JK	SC/SL
		D		ML	JL	SC/SL
D1D	GAIN TO START WORK	D	B	BF/CF	JF	SC/SL
		D	B	BG/CG	JG	SC/SL
		D		BF/CF/DF	PF	SC/SL
		D		BG/CG/DG	PG	SC/SL
		D		BL/CL/DL	PL	SC/SL

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Figure 3-281. D042D-16 Engine Pipeline Structure (Sheet 4 of 13)

ENGINE PIPELINE STRUCTURE

	DEP	BASE	START	NEXT POSSIBLE TRANSACTION	TRIGGER TRANS.
D1E OTHER BASE REPAIR ACTIONS	D		CL	JL	SC/SL
	D	B	BF/CF	NF/MG/ML	SC/SL
	D	B	BG/CG	NG/ML	SC/SL
	D	B	RF/LF/KF	NF/ML	SC/SL
	D	B	RG/LG/KG	NG/ML	SC/SL
	D	B	MC/RC	NC	SC/SL
	D	B	MC/RC	NC	SC/SL
	D	B	MF	NF	SC/SL
	D	B	MG	NG	SC/SL
	D		LF/KF/LG/KG/LL/KL	MK	SC/SL
	D		PF/PG/PL	MK	SC/SL
	D		RL	MK/MC	SC/SL
	D		PF	NF/ML	SC/SL
	D		PG	NG/ML	SC/SL
	D		LK/PK	ML	SC/SL
	D		PC	NC	SC/SL
	D		MK/PK	NK	SC/SL
	D		PK	MG	SC/SL
	D		PL	NL	SC/SL
	D		PC	XC	SC/SL
	D	B	NF	JF	SC/SL
	D	B	NG	JG	SC/SL
	D		NF	PF	SC/SL
	D		NG	PG	SC/SL
	D		NC	PC	SC/SL
	D		NK	JK/PK	SC/SL
	D		NL	PL	SC/SL
D2 BASE REPAIR SEGMENT INCOMPLETE					
D2A IN WORK INCOMPLETE					
	D	B	JF	EF/HF/GF/NF/MG/ML	SC/SL
	D	B	GF	EF/HF/GF/NF/ML	SC/SL
	D	B	JG	EG/HG/GG/NG/MF/ML	SC/SL
	D	B	GG	EG/HG/GG/NG/ML	SC/SL
	D		JK/GK	EK/GK/HK/ML	SC/SL
	D		JL	EL/GL/HL/MC/MK/ML	SC/SL
	D		GL	EL/GL/HL/MK	SC/SL
D2B AWAIT MAINT INCOMPLETE					
	D	B	HF	JF/NF/ML	SC/SL
	D	B	HG	JG/NG/ML	SC/SL
	D		HK	JK/NK	SC/SL
	D		HL	JL/NL	SC/SL
D2C ENMCS INCOMPLETE					
	D	B	EF	JF/HF/ML	SC/SL
	D	B	EG	JG/HG/ML	SC/SL
	D		EK	JK	SC/SL
	D		EL	JL	SC/SL
D3 AWAITING DEPOT RETROGRADE PROCESSING					
D3A AWAITING DISPOSITION					
	D	B	NC/NF/NG	ML	SC/SL
	D	B	NL	MC/MF/MG	SC/SL
	D		NK	ML	SC/SL
	D		NK	MC	SC/SL

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Figure 3-281. D042D-17 Engine Pipeline Structure (Sheet 5 of 13)

ENGINE PIPELINE STRUCTURE

		DEP	BASE	START	NEXT POSSIBLE TRANSACTION	TRIGGER TRANS. SC/SL
D3B	OTHER DEPOT REPARABLE ACTIONS	D	B	BL/CL/KL/LL/ML	NL	
D4	REMOVE/INSPECT/PROCESS TO SHIP (RIPS) TO DEPOT					
D4A	REMOVE TO SHIP	D	B	KL/LL	SL	SL
D4B	CHG IN MAINTENANCE TO SHIP	D	B	MC	SC	SC
		D	B	ML	SL	SL
D4C	RECEIPT TO SHIP	D	B	RL	SL	SL
		D	B	RC	SC	SC
D4D	GAIN TO SHIP	D	B	BL/CL	SL	SL
D4E	AWAIT DISPOSITION TO SHIP	D	B	NC	SC	SC
		D	B	NL	SL	SL

NOTE: Breakout into the following segments based upon location of base and location of Depot

D5 RETROGRADE TRANSPORTATION – BASE TO DEPOT

D5A	CONUS TO CONUS	D	B	SL (from base)	RL (from Depot)	RL
		D	B	SC (from base)	RC (from Depot)	RC
		D	B	TB/TR (from base)	RC/RL (from Depot)	RC/RL
D5B	INTHEATER (AREAS 1,2,3,4)	D	B	Same as D5A	Same as D5A	Same as D5A
D5C	OVERSEAS (AREAS 1 & 2) TO CONUS	D	B	Same as D5A	Same as D5A	Same as D5A
D5D	OVERSEAS (AREA3) TO CONUS	D	B	Same as D5A	Same as D5A	Same as D5A
D5E	OVERSEAS (AREA4) TO CONUS	D	B	Same as D5A	Same as D5A	Same as D5A
D5F	AREA 1 TO 2	D	B	Same as D5A	Same as D5A	Same as D5A
D5G	AREA 1 TO 3	D	B	Same as D5A	Same as D5A	Same as D5A
D5H	AREA 1 TO 4	D	B	Same as D5A	Same as D5A	Same as D5A
D5I	AREA 2 TO 1	D	B	Same as D5A	Same as D5A	Same as D5A
D5J	AREA 2 TO 3	D	B	Same as D5A	Same as D5A	Same as D5A
D5K	AREA 2 TO 4	D	B	Same as D5A	Same as D5A	Same as D5A
D5L	AREA 3 TO 1	D	B	Same as D5A	Same as D5A	Same as D5A
D5M	AREA 3 TO 2	D	B	Same as D5A	Same as D5A	Same as D5A
D5N	AREA 3 TO 4	D	B	Same as D5A	Same as D5A	Same as D5A
D5O	AREA 4 TO 1	D	B	Same as D5A	Same as D5A	Same as D5A
D5P	AREA 4 TO 2	D	B	Same as D5A	Same as D5A	Same as D5A
D5Q	AREA 4 TO 3	D	B	Same as D5A	Same as D5A	Same as D5A

E DEPOT REPAIR CYCLE**E1 DEPOT REPAIRABLE SUPPLY****E1A REMOVAL TO START WORK/WORKLOAD PROCESSING**

D	LL/KL	JL	FB/FR
D	LK	JK/PK	FB/FR
D	LF/KF	JF	FB/FR
D	LG/KG	JG	FB/FR

E1B REMOVAL TO OTHER MAINT ACTION

D	LL/KL	MK/NL	FB/FR
D	LK	ML	FB/FR
D	LF/KF	ML/MK/NF	FB/FR
D	LG/KG	ML/MK/NG	FB/FR

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Figure 3-281. D042D-18 Engine Pipeline Structure (Sheet 6 of 13)

ENGINE PIPELINE STRUCTURE

	DEP	BASE	START	NEXT POSSIBLE TRANSACTION	TRIGGER TRANS.
E1C	RECEIPT TO START WORK/WORKLOAD PROCESSING				
	D		RC	PC	FB/FR
	D		RF	PF/JF	FB/FR
	D		RG	PG/JG	FB/FR
	D		RL	PL/JL	FB/FR
E1D	RECEIPT TO OTHER MAINT ACTION				
	D		RC	NC	FB/FR
	D		RL	MC/MK	FB/FR
	D		RF	ML/NF	FB/FR
	D		RG	ML/NG	FB/FR
E1E	CHG IN MAINT TO START WORK/WORKLOAD PROCESSING				
	D		ML	JK	FB/FR
	D		MF	JF	FB/FR
	D		MG	JG	FB/FR
E1F	CHG IN MAINT TO OTHER MAINT ACTION				
	D		MC	NC	FB/FR
	D		ML	NL	FB/FR
	D		MK	NK	FB/FR
	D		MF	NF	FB/FR
	D		MG	NG	FB/FR
E1G	GAIN TO START WORK/WORKLOAD PROCESSING				
	D		BF/CF	PF/JF	FB/FR
	D		BG/CG	PG/JG	FB/FR
	D		BL/CL	PL	FB/FR
	D		CL	JL	FB/FR
E1H	GAIN TO OTHER MAINT ACTION				
	D		BF/CF	MG/ML/NF	FB/FR
	D		BG/CG	ML/NG	FB/FR
	D		BL/CL	NL	FB/FR
E1I	WORKLOAD PROCESSING TO START WORK				
	D		PL	JL	FB/FR
	D		PK	JK	FB/FR
	D		PF	JF	FB/FR
	D		PG	JG	FB/FR
E1J	WORKLOAD PROCESSING TO OTHER MAINT ACTION				
	D		PL	MK/NL	FB/FR
	D		PK	MG/ML/NK	FB/FR
	D		PF	MK/ML/NF	FB/FR
	D		PG	MK/ML/NG	FB/FR
	D		PC	NC	FB/FR
E1K	AWAIT DISP TO START WORK/WORKLOAD PROCESSING				
	D		NC	PC	FB/FR
	D		NL	PL	FB/FR
	D		NK	JK/PK	FB/FR
	D		NF	JF/PF	FB/FR
	D		NG	JG/PG	FB/FR
E1L	AWAIT DISP TO OTHER MAINT ACTION				
	D		NC	ML	FB/FR
	D		NL	MC/MF/MG	FB/FR

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Figure 3-281. D042D-19 Engine Pipeline Structure (Sheet 7 of 13)

ENGINE PIPELINE STRUCTURE

	DEP	BASE	START	NEXT POSSIBLE TRANSACTION	TRIGGER TRANS.
	D		NK	MC/ML	FB/FR
	D		NF	ML	FB/FR
	D		NG	ML	FB/FR
E2 MAJOR OVERHAUL COMPLETE					
E2A IN WORK COMPLETE	D		JL	EL/GL/HL/MC/MK	FB/FR
	D		GL	EL/GL/HL/MK	FB/FR
	D		GL/JL	FB	FB
	D		GL/JL	FR	FR
	D		JK	EK/GK/HK/ML	FB/FR
	D		GK	EK/GK/HK/ML	FB/FR
	D		GK/JK	FB	FB
	D		GK/JK	FR	FR
	D		JF	EF/GF/HF/MG/ML/NF	FB/FR
	D		JF/GF	FB	FB
	D		GF	EF/GF/HF/ML/NF	FB/FR
	D		JG	EG/GG/HG/MF/ML/NG	FB/FR
	D		JG/GG	FB	FB
	D		JG/GG	FR	FR
	D		GG	EG/GG/HG/ML/NG	FBFR
E2B AWAITING MAINTENANCE COMPLETE	D		HL	JL/NL	FB/FR
	D		HK	JK/NK	FB/FR
	D		HF	JF/NF/ML	FB/FR
	D		HG	JG/NG/ML	FB/FR
E2C AWAITING PARTS COMPLETE	D		EL	JL	FB/FR
	D		EK	JK	FB/FR
	D		EF	HF/JF/ML	FB/FR
	D		EG	HG/JG/ML	FB/FR
E *****DEPOT REPAIR CYCLE FACTOR ROLL-UP					
F DEPOT SERVICEABLE STOCK					
F1 SERVICEABLE AWAITING UTILIZATION					
F1A SERVICEABLE TO AWAIT DISPOSITION	D		AB/BB/CB/ FB/KB/ LB/ RB	NB	FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ
	D		AR/BR/CR/ FR/RR	NR	FB/FR/MF/MG/ MK/ML/SR/TR
F1B SERVICEABLE TO SHIPMENT	D		AB/BB/CB/ FB/KB/LB/RB	SB	SB
	D		AR/BR/CR/ FR/RR	SR	SR
	D		CB/CR/FB/RB	TB	TB
	D		CB/CR/FR/RR	TR	TR
F1C SERVICEABLE TO INSTALL	D		AB/BB/CB/ FB/KB/LB/RB	UA	UA
	D		AB/BB/CB/ FB/KB/LB/RB	VA	VA

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Figure 3-281. D042D-20 Engine Pipeline Structure (Sheet 8 of 13)

ENGINE PIPELINE STRUCTURE

		DEP	BASE	START	NEXT POSSIBLE TRANSACTION	TRIGGER TRANS.
		D		AB/BB/CB/ FB/KB/LB/RB	VZ	VZ
F1D	SERVICEABLE TO START WORK	D		AB/BB/CB/ FB/KB/LB/RB	JB	FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ
		D		AR/BR/CR/FR/ RR	JR	FB/FR/MF/MG/ MK/ML/SR/TR
F1E	SERVICEABLE TO CHG IN MAINTENANCE	D		AB/BB/CB/ FB/KB/LB/RB	MF	MF
		D		AB/BB/CB/ FB/KB/LB/RB	ML	ML
		D		AR/BR/CR/FR	ML	ML
		D		AR/BR/CR/FR/ RR	MG	MG
F1F	SERVICEABLE TO OTHER	D		AB/BB/CB/RB	PB	FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ
		D		AR/RR	PR	FB/FR/MF/MG/ MK/ML/SR/TR
		D		FB/LB	FB	FB
		D		FR	FR	FR
		D		RB	RB	RB
		D		RR	RR	RR
F2	DEPOT SERVICEABLE MAINTENANCE					
F2A	SERVICEABLE WORKLOAD PROCESSING	D		PB	FB	FB
		D		PB	JB	FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ
		D		PB	MF	MF
		D		PB/PR	MK	MK
		D		PB/PR	ML	ML
		D		PB	NB	FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ
		D		PB	VA	VA
		D		PR	JR	FB/FR/MF/MG/ MK/ML/SR/TR
		D		PR	MG	MG
		D		PR	NR	FB/FR/MF/MG/ MK/ML/SR/TR
F2B	IN WORK	D		GB/JB	EB/GB/HB/NB	FB/FR/MF/MG/ MK/ML/SB/SR TB/TR/UA/VA/VZ
		D		JB	FR	FR
		D		GB/JB	FB	FB
		D		GB/JB	MF	MF
		D		GB/JB	ML	ML
		D		JR/GR	ER/GR/HR/NR	FB/FR/MF/MG/ MK/ML/SR/TR

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Figure 3-281. D042D-21 Engine Pipeline Structure (Sheet 9 of 13)

ENGINE PIPELINE STRUCTURE

		DEP	BASE	START	NEXT POSSIBLE TRANSACTION	TRIGGER TRANS.
		D		JR	MF	MF
		D		JR/GR	MG	MG
		D		JR/GR	ML	ML
		D		JR/GR	FB	FB
		D		JR/GR	FR	FR
F2C	AWAITING MAINTENANCE	D		HB	JB/NB	FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ
		D		HB	MF	MF
		D		HB/HR	ML	ML
		D		HB	SB	SB
		D		HR	JR/NR	FB/FR/MF/MG/ MK/ML/SR/TR
		D		HR	MG	MG
F2D	AWAITING PARTS	D		HR	SR	SR
		D		EB	JB/HB	FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ
		D		EB	MF	MF
		D		EB/ER	ML	ML
		D		ER	JR/HR	FB/FR/MF/MG/ MK/ML/SR/TR
		D		ER	MG	MG
F3	AWAITING DISPOSITION DEPOT SERVICEABLE					
F3A	AWAITING DISPOSITION – SHIP	D		NB	SB	SB
		D		NR	SR	SR
F3B	AWAITING DISPOSITION – INSTALL	D		NB	UA	UA
		D		NB	VA	VA
		D		NB	VZ	VZ
F3C	AWAITING DISPOSITION – RETURN TO WORK	D		NB	JB	FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ
		D		NR	JR	FB/FR/MF/MG/ MK/ML/SR/TR
F3D	AWAITING DISPOSITION – CHG IN MAINTENANCE	D		NB	MF	MF
		D		NB/NR	ML	ML
		D		NR	MG	MG
F3E	AWAITING DISPOSITION – WORKLOAD PROCESSING	D		NB	PB	FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ
		D		NR	PR	FB/FR/MF/MG/ MK/ML/SR/TR
G	DEPOT RESUPPLY CYCLE					
G1	BASE NOTICE TO SHIP – BASE TO DEPOT - NOT MEASURED	D	B	LF/LG/LL/ML (from base)	SB/SR (from Depot)	SB/SR (from Depot)

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Figure 3-281. D042D-21 Engine Pipeline Structure (Sheet 10 of 13)

ENGINE PIPELINE STRUCTURE

		DEP	BASE	START	NEXT POSSIBLE TRANSACTION	TRIGGER TRANS.
NOTE: Breakout into the following segments based upon location of Depot and location of base						
G2	RESUPPLY TRANSPORTATION – DEPOT TO BASE					
		D		TB/TR (from Depot)	RB/RR (from base)	RB/RR
G2B	INTHEATER (AREAS 1,2,3,4)	D		Same as G2A	Same as G2A	Same as G2A
G2C	CONUS TO OVERSEAS (AREAS 1 & 2)	D		Same as G2A	Same as G2A	Same as G2A
G2D	CONUS TO OVERSEAS (AREA 3)	D		Same as G2A	Same as G2A	Same as G2A
G2E	CONUS TO OVERSEAS (AREA 4)	D		Same as G2A	Same as G2A	Same as G2A
G2F	AREA 1 TO 2	D		Same as G2A	Same as G2A	Same as G2A
G2G	AREA 1 TO 3	D		Same as G2A	Same as G2A	Same as G2A
G2H	AREA 1 TO 4	D		Same as G2A	Same as G2A	Same as G2A
G2I	AREA 2 TO 1	D		Same as G2A	Same as G2A	Same as G2A
G2J	AREA 2 TO 3	D		Same as G2A	Same as G2A	Same as G2A
G2K	AREA 2 TO 4	D		Same as G2A	Same as G2A	Same as G2A
G2L	AREA 3 TO 1	D		Same as G2A	Same as G2A	Same as G2A
G2M	AREA 3 TO 2	D		Same as G2A	Same as G2A	Same as G2A
G2N	AREA 3 TO 4	D		Same as G2A	Same as G2A	Same as G2A
G2O	AREA 4 TO 1	D		Same as G2A	Same as G2A	Same as G2A
G2P	AREA 4 TO 2	D		Same as G2A	Same as G2A	Same as G2A
G2Q	AREA 4 TO 3	D		Same as G2A	Same as G2A	Same as G2A
G3	SERVICEABLE RAW WORKLOAD PROCESING					
G3A	RAW TO START WORK	B		AR/BR/CR/FR/RR	JR	FB/FR/MF/MG/ ML/SR/TR
G3B	RAW TO SHIP	B		AR/BR/CR/FR/RR	SR	SR
		B		CR	TB	TB
		B		CR/FR/RR	TR	TR
G3C	RAW TO CHANGE IN MAINT	B		AR/BR/CR/FR/RR	MG	MG
		B		AR/BR/CR/FR	ML	ML
G3D	RAW TO OTHER	B		AR/BR/CR/FR/RR	NR	FB/FR/MF/MG/ ML/SR/TR
		B		RR	RR	RR
		B		FR	FR	FR
G4	BUILD UP MAINTENANCE					
G4A	BUILD UP MAINTENANCE COMPLETE					
G4A1	IN WORK COMPLETE	B		JR/GR	ER/HR/GR/NR	FB/FR/SR/TR
		B		JR/GR	FB	FB
		B		JR/GR	FR	FR
G4A2	AWAITING MAINTENANCE – COMPLETE	B		HR	JR/NR	FB/FR/SR/TR
		B		HR	SR	SR
G4A3	ENMCS COMPLETE	B		ER	JR/HR	FB/FR/SR/TR
G4B	BUILD UP MAINT REQUIRING BASE REPAIR					

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Figure 3-281. D042D-22 Engine Pipeline Structure (Sheet 11 of 13)

ENGINE PIPELINE STRUCTURE

		DEP	BASE	START	NEXT POSSIBLE TRANSACTION	TRIGGER TRANS.
G4B1	IN WORK REQUIRING BASE REPAIR	B	JR		ER/HR/GR/NR	MF/MG/ML
		B	JR		MF	MF
		B	JR		MG	MG
		B	JR		ML	ML
		B	GR		ER/HR/GR/NR	MF/MG/ML
		B	GR		MG	MG
		B	GR		ML	ML
G4B2	AWAIT MAINT REQUIRING BASE REPAIR	B	HR		JR/NR	MF/MG/ML
		B	HR		MG	MG
		B	HR		ML	ML
G4B3	ENMCS REQUIRING BASE REPAIR	B	ER		JR/HR	MF/MG/ML
		B	ER		MG	MG
		B	ER		ML	ML
G5	RAW AWAITING DISPOSITION					
G5A	AWAITING DISPOSITION – RETURN TO WORK	B	NR		JR	FB/FR/MF/MG/ ML/SR/TR
G5B	AWAITING DISPOSITION – CHG IN MAINTENANCE	B	NR		MG	MG
		B	NR		ML	ML
G5C	AWAITING MAINTENANCE – SHIP	B	NR		SR	SR
H	BASE SERVICEABLE BUILT UP					
H1	SERVICEABLE BUILT UP STOCK					
H1A	BUILT UP TO INSTALL	B	AB/BB/CB/FB/ KB/LB/RB		UA	UA
		B	AB/BB/CB/FB/ KB/LB/RB		VA	VA
		B	AB/BB/CB/FB/ KB/LB/RB		VZ	VZ
H1B	BUILT UP TO START WORK	B	AB/BB/CB/FB/ KB/LB/RB		JB	FB/FR/MF/MG/ ML/SB/SR/TB/ TR/UA/VA/VZ
H1C	BUILT UP TO CHG IN MAINTENANCE	B	AB/BB/CB/FB/ KB/LB/RB		MF	MF
		B	AB/BB/CB/FB/ KB/LB/RB		ML	ML
H1D	BUILT UP TO SHIP	B	AB/BB/CB/FB/ KB/LB/RB		SB	SB
		B	CB/FB/RB		TB	TB
		B	CB		TR	TR
H1E	BUILT UP TO OTHER	B	AB/BB/CB/FB/ KB/LB/RB		NB	FB/FR/MF/MG/ ML/SB/SR/TB/ TR/UA/VA/VZ
		B	FB/LB		FB	FB

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Figure 3-281. D042D-23 Engine Pipeline Structure (Sheet 12 of 13)

ENGINE PIPELINE STRUCTURE

	DEP	BASE	START	NEXT POSSIBLE TRANSACTION	TRIGGER TRANS.
		B	RB	RB	RB
H2 BASE SERVICEABLE MAINTENANCE					
H2A IN WORK		B	JB	EB/GB/HB/NB	FB/FR/MF/MG/ ML/SB/SR/TB/ TR/UA/VA/VZ
		B	JB	FB	FB
		B	JB	FR	FR
		B	JB	MF	MF
		B	JB	ML	ML
		B	GB	EB/GB/HB/NB	FB/FR/MF/MG/ ML/SB/SR/TB/ TR/UA/VA/VZ
		B	GB	FB	FB
		B	GB	MF	MF
		B	GB	ML	ML
H2B AWAITING MAINTENANCE		B	HB	JB/NB	FB/FR/MF/MG/ ML/SB/SR/TB/ TR/UA/VA/VZ
		B	HB	SB	SB
		B	HB	MF	MF
		B	HB	ML	ML
H2C ENMCS		B	EB	JB/HB	FB/FR/MF/MG/ ML/SB/SR/TB/ TR/UA/VA/VZ
		B	EB	MF	MF
		B	EB	ML	ML
H3 AWAITING DISPOSITION SERVICEABLE BUILT UP					
H3A AWAITING DISPOSITION – RETURN TO WORK		B	NB	JB	FB/FR/MF/MG/ ML/SB/SR/TB/ TR/UA/VA/VZ
H3B AWAITING DISPOSITION – CHG IN MAINTENANCE		B	NB	MF	MF
		B	NB	ML	ML
H3C AWAITING DISPOSITION – SHIP		B	NB	SB	SB
H3D AWAITING DISPOSITION – INSTALL		B	NB	UA	UA
		B	NB	VA	VA
		B	NB	VZ	VZ

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Figure 3-281. D042D-24 Engine Pipeline Structure (Sheet 13 of 13)

CDB D/T 990416 1448 ITEM AGE WITHIN A CII NUMBER CED042.MREA01.A1SA

CII: AF10010 SERIAL NR: PW0E712001 SRAN: 5587 REQUESTING ORG:

CII NR.	SERIAL NR.	PART NUMBER	SET	NOUN		
AF10010	PW0E712001	4067220	E	F100 ENGINE, TURBOFAN		
TLC&	LIFE	LIFE	LIFE	LIFE	NHA	
CAT	LIMIT	USED	REM	REM %	SERIAL NR	AEC
EOTN	NONE	5879.6		0.0	8600000169	
FHRN	NONE	4181.2		0.0		
MANN	NONE	2660		0.0		
LCFN	NONE	25486		0.0		
CY4N	NONE	55708		0.0		
CCYN	NONE	8367		0.0		
CII NR.	SERIAL NR.	PART NUMBER	SET	NOUN		
DF10030	PW0F003160	4081821-800	M	F100 INLET FAN MODULE		
TLC&	LIFE	LIFE	LIFE	LIFE	NHA	
CAT	LIMIT	USED	REM	REM %	SERIAL NR	AEC
CCYV	9472	8091	1381	46.0	PW0E712001	
MANN	NONE	2411		0.0		
LCFN	NONE	25129		0.0		
CY4N	NONE	28144		0.0		

MORE DATA FOLLOWS - PRESS PA1 KEY

H9902768

Figure 3-282. EA01 Item Age Within a CII

CEMREA03 AGE BY SERIAL NUMBER 01/30/02 1241 PCN: CED042.MREA03.A1SA
 CII: LF1191P SERIAL NO: TEU9AH1783 POS: A14 SPC STA:
 BASE: 9231 INST-DT: 01320 REMOVE-DT: OVHL-DT: OCM-DT:
 PART-NO: 524P221-01 LCN: 731410A14 NHA CI: AF11910 NHA SN: PW0E730026
 _ SWAP OPT: H=A205 S/L=A240/1 G=A251 A/B=A252A/B N=A275 K=A277 P=A295 Q=A465
 CAT TLC TSN TIME-AT-OCM/OVHL TIME-SINCE-OCM/OVHL TC LIMIT TIME-REM %
 09 EOT 0.0 0.0/ 0.0 0.0/ 0.0 PN 2700 2700.0 100.0
 62 ABC 0 0/ 0 0/ 0 NN NONE 0.0
 63 ABT 0.0 0.0/ 0.0 0.0/ 0.0 NN NONE 0.0
 28 TCY 0 0/ 0 0/ 0 PV 4325 4325 100.0

* * * END OF DATA * * *

H9902769

Figure 3-283. EA03 Age of Serial Number

```

CEMREA04   TSN UPDATE HISTORY   I   000509   1542   CED042.MREA04.A1SA
CII: AF11010 SN: GE0E5091111 OPTION: 1 QUAL:   START:   END:   TRAN:
OPTIONS: E=EA03, G=A251, H=A205, I=A252, J=A265, K=A277, N=A275   LPAGE:
KEY  TDATE SRAN CM  AIRCRAFT MDS-SN  EHR-ETTR TC  SEQNO  M P MAINT  TERM-ID
01384 98301 6352 4Z   F016C 8600000350 00GEJ00066 6U 1000212 C 1 N   CEJTO
11 FHR   1990.3    09 EOT   3432.4    59 LCY    1906    60 FTC    19612
61 CIC   23589    62 ABC    7054    63 ABT    51.8    65 TT1    185.0
66 TT2   134.6    67 TT3    82.3    68 TT4    44.0    69 TT5    19.4
77 IFT    0.0    25 TAC    7399
01386 98302 6352 4Z   F016C 8600000350 00GEJ00066 6U 1000219 C 1 N   CEJTO
11 FHR   1992.6    09 EOT   3435.9    59 LCY    1908    60 FTC    19630
61 CIC   23611    62 ABC    7062    63 ABT    51.9    65 TT1    185.4
66 TT2   134.9    67 TT3    82.4    68 TT4    44.0    69 TT5    19.4
77 IFT    0.0    25 TAC    7406
01387 98304 6352 4Z   F016C 8600000350          VA 1100001 B 1   CEBUA145
11 FHR   1992.6    09 EOT   3435.9    59 LCY    1908    60 FTC    19630
61 CIC   23611    62 ABC    7062    63 ABT    51.9    65 TT1    185.4
66 TT2   134.9    67 TT3    82.4    68 TT4    44.0    69 TT5    19.4
77 IFT    0.0    25 TAC    7406

```

MORE DATA PRESS PA1 KEY * THIS PGM ALSO AVAIL VIA TSO EA04* PAGE: 1
 PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT

H9902770

Figure 3-284. EA04-1 TSN Update History (Option 1)

```

CEMREA04   TSN UPDATE HISTORY   I   000509   1543   CED042.MREA04.A1SA
CII: AF11010 SN: GE0E509111 OPTION: 2 QUAL:   START:   END:   TRAN:
OPTIONS: E=EA03, G=A251, H=A205, I=A252, J=A265, K=A277, N=A275   LPAGE:
  KEY  TDATE SRAN CM  AIRCRAFT MDS-SN   EHR-ETTR  TC  SEQNO  M P MAINT  TERM-ID
01383 98301 6352 4Z   F016C 8600000350 00GEJ00066 6U 1000212  1 N   CEJTO
11 FHR      2.7      09 EOT   2522.7    59 LCY    1315    60 FTC    14813
61 CIC     18424     62 ABC     5262     63 ABT     38.4    65 TT1    175.1
66 TT2     131.3    67 TT3     82.1     68 TT4     44.0    69 TT5     19.4
77 IFT      0.0
01384 98301 6352 4Z   F016C 8600000350 00GEJ00066 6U 1000212  C 1 N   CEJTO
11 FHR     1990.3    09 EOT   3432.4    59 LCY    1906    60 FTC    19612
61 CIC     23589     62 ABC     7054     63 ABT     51.8    65 TT1    185.0
66 TT2     134.6    67 TT3     82.3     68 TT4     44.0    69 TT5     19.4
77 IFT      0.0    25 TAC     7399
01385 98302 6352 4Z   F016C 8600000350 00GEJ00066 6U 1000219  1 N   CEJTO
11 FHR      2.3      09 EOT   2526.2    59 LCY    1317    60 FTC    14831
61 CIC     18446     62 ABC     5270     63 ABT     38.5    65 TT1    175.5
66 TT2     131.6    67 TT3     82.2     68 TT4     44.0    69 TT5     19.4
77 IFT      0.0

```

MORE DATA PRESS PA1 KEY * THIS PGM ALSO AVAIL VIA TSO EA04* PAGE: 1
 PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT

H9902771

Figure 3-285. EA04-2 TSN Update History (Option 2)

990303 1050 INSTALLATION/REMOVAL HISTORY BY SN CED042.MREA09.A1SA
 CII: AF11010 SN: GE0E509111 TIME FRAME: 87001 TO 99061 REQ ORG:
 NOUN: F110-GE100 ENGINE, TURBOFAN
 SRAN DSCR: ANG-OH-SPRNGFLD CMD CODE: 4Z
 INSTALLATION:

DATE	SRAN	NHA	SERIAL	NR	PART	NR
31MAY87	5612	850000	1434		9521M10G01	

TLC	LIFE	USED	TLC	LIFE	USED	TLC	LIFE	USED	TLC	LIFE	USED	TLC	LIFE	USED
FHR		.0	EOT		.0	LCY		0	FTC		0	CIC		0
ABC		0	ABT		.0	TT1		.0	TT2		.0	TT3		.0
TT4		.0	TT5		.0									

REMOVAL:

REASON FOR REMOVAL: 800 RMVD/RENTLTD TO FAC OTHR MAINT

DATE	SRAN	PART	NR
27JUL87	5612	9521M10G01	

TLC	LIFE	USED	LIFE	S-I	MTBR	TLC	LIFE	USED	LIFE	S-I	MTBR
FHR		246.9		246.9	246	EOT		485.7		485.7	485
LCY		328		328	328	FTC		2914		2914	2914
CIC		3143		3143	3143	ABC		1107		1107	1107
ABT		7.9		7.9	7	TT1		3.8		3.8	3
TT2		1.1		1.1	1	TT3		.0		.0	0
TT4		.0		.0	0	TT5		.0		.0	0

MORE DATA FOLLOWS - PRESS PA1 KEY

H9902772

Figure 3-286. EA09 Installation and/or Removal History by Serial Number

CDB D/T 03MAR99 0213 CII/SERIAL NUMBER MASTER RECORD CED042.MREM01.A1SA

REQ ORG A

CII NR AF11010 SERIAL NR GE0E509111 PART NR 9521M10G01

				SRAN DSCR	CMD CD	QPA	WUC
NOUN: F110-GE100 ENGINE, TURBOFAN				ANG-OH-SPRNGFLD	4Z	01	27Z00
DATE/TIME	DATE DEPOT	DATE	DATE OF	TRANS-COND			
LAST TRANS	VISIT	INSTALLED	REMOVAL	CODE			
02MAR99 1730	30JUN97	15JUL98	15JUL98	VA			

LEVEL	RSN FOR	SPEC	STAT	OWN	AEC	SET	IND	ENG	EQUIP	TO-FROM-
OF MAINT	REM CODE		CODE	CODE	CODE	IND	LEV	POS	SPEC	SRAN
	800			N			2	1	1	

TLC & LIFE	LIFE	% LIFE	DESIGN	LIFE	O/I	DEPOT	DT DSGN	DT LIFE
CAT USED	REMAIN	REMAIN	LIMIT	LIMIT	LIMIT	LIMIT	LIM ESTB	LIM ESTB
FHRB 2079.1	286.9	12.1	NONE	2366	NONE	NONE		

DT DEPOT DT O/I
LIM ESTB LIM ESTB

MORE DATA FOLLOWS

H9902774

Figure 3-287. EM01 CII Serial Number Master Record

```

990303          CI-WUC-PART NUMBER STRUCTURE REFERENCE          CED042.MREM02.A1SA
CII: AF11010  PN: 9521M10G01          REQUESTING ORG:
CII NOUN: F110-GE100 ENGINE, TURBOFAN          IND: 2 QPA: 01 SET: N WUC: 27Z00
      DESIGN    ----LIFE DATA----          -----O/I DATA-----          ----DEPOT DATA----
TLCC    LIMIT      LIMIT  DATE EST          LIMIT  DATE EST          LIMIT  DATE EST
PART NUMBER: 9521M10G01          MDS:  F016C          K-FACTOR LIMIT:  .000
EOTN NONE          NONE          87160          NONE          87160          NONE          87160
TACN NONE          NONE          87160          NONE          87160          NONE          87160
FHRN NONE          NONE          96184          NONE          96184          NONE          96184
PART NUMBER: 9521M10G01          MDS:  F016D          K-FACTOR LIMIT:  .000
EOTN NONE          NONE          87160          NONE          87160          NONE          87160
TACN NONE          NONE          87160          NONE          87160          NONE          87160
FHRN NONE          NONE          96184          NONE          96184          NONE          96184

```

END OF DATA

H9902776

Figure 3-288. EM02 CII-WUC-Part Number Structure Cross Reference

CEMREM05 CATEGORY OF AGING CED042.MREM05.A1SA
 99.062 15:51:23 PAGE: 001
 CII AF11010 SERIAL NO GE0E509111 AGING CATEGORY A (BLANK,I,T OR W)
 SRAN 6352 NHA CI F016C NHA SN 8600000350 PART NO 9521M10G01 WUC 27Z00

CAT	TLCC	TSN	DUE TIME	LIFE REMAINING	PERCENT REMAINING
			3000 TAC/WP 06513 2JF110-6-4		
25	TACA	7704	9488	1784	NA
			100 FHR INSP. -6-11		
11	FHRB	2079.1	2366	286.9	NA
25	TACB	7704	12488	4784	NA
			400 FHR EXH NOZZLE INSP.		
11	FHRE	2079.1	2104	24.9	NA
			75/100 HR BORESCOPE INSP		
11	FHRI	2079.1	2173	93.9	NA
			TIME SINCE NEW		
09	EOTN	3559.1	NONE		0.0
11	FHRN	2079.1	NONE		0.0
25	TACN	7704	NONE		0.0

END OF DATA

H9902777

Figure 3-289. EM05 Category of Aging

```

* * AUTHORIZED TLCC CODES * * PCN: CED042.MREM06.A1SA
REQ CII: AF11010 REQ AGE: I (BLANK,I,T OR W) 99.062 15:52:07
CII WUC NOUN TLCC DESCRIPTION

AF11010 27Z00 F110-GE100 ENGINE, TURBOF
EOTC TIME SINCE OIL CHANGE
EOTT EOT LEAST LIFE REMAINING
FHRA 200/400 HR PHASE INSP -6-11
FHRB 100 FHR INSP. -6-11
FHRC 50 FHR INSP. -6-11
FHRE 400 FHR EXH NOZZLE INSP.
FHRI 75/100 HR BORESCOPE INSP
FHRJ TO 163 50 FHR HPT AFT BLD RETA
FHRK 200HR MEC X-RAY -6-11
FHRT TCTO 2JF110-709 200 HOUR
TACA 3000 TAC/WP 06513 2JF110-6-4
TACB 6000 TAC/WP 06513 2JF110-6-4
TACT TAC LEAST LIFE REMAINING
HF110A0 27CJA COMBUSTOR CASE
FHRB 100 FHR BORESCPE > 2000 TACS
TACI TO 668 EDDY CURRENT 4500 INSP
HF110C0 27DC0 LPT NOZZLE ASSY STG 1
TACI TO 676 STG 1 NOZ/R2 STOP PINS
HF11030 27BD0 FAN ROTOR ASSY
TACI 3000 TAC INSP TCTO -692
TACT TCTO INSP. 2J F110-683
PF110A2 27CJT HPT SHROUD ASSY
TACI LIMIT TO -6-11 INSP.
*** MORE DATA FOLLOWS PRESS PA1 ***

```

H9902778

Figure 3-290. EM06 Authorized TLCC Codes

```

Menu Utilities Compilers Help
-----
BROWSE      CESKF.SPF906.OUTLIST                               Line 00000001 Col 001 132
Command ==>
CDB DATE/TIME : 12MAR99/1335                                * **SERIALIZED ITEM HISTORY (F108) *
REQUESTING ORGANIZATION: TILC                                REQUESTERS CODE: SKF      REQUESTERS EXTENSION: 3367599
                                                                CED042.BRE19A.A10A
REQ      REQ      AIRCRAFT      CMD      SPEC COND
CII NO. SER NO.  PART NO.      MDS  SERIAL NR      CODE  STAT CODE SRAN DSCRP      REQ TIME FRAME
AF10810 CF0E710103 9995M60G01  KC135R 6300008038  1L      B      MACDILL AFB      01JAN95 TO 11MAR99
*****
<-----*TOTALS AND RATIOS*----->
<-----UPDATE PARAMETERS----->
  DATE      EOT      FHR      MAJ      EG2      EG8      MIN      WOW
  17DEC98      .....      .....      .....      .....      .....      .....      .....
<-----RATIOS----->
  EOT/MAJ      EOT/MIN      EOT/EG2      EOT/EG8      EOT/WOW      MIN/MAJ      EG8/EG2      WOW/MAJ
  .00:1      .00:1      .00:1      .00:1      .00:1      .00:1      .00:1      .00:1
<-----UPDATE PARAMETERS----->
  DATE      EOT      FHR      MAJ      EG2      EG8      MIN      WOW
  28MAY97      4641.3      0.0      2134      8.35      0.16      4358      4129.80
<-----RATIOS----->
  EOT/MAJ      EOT/MIN      EOT/EG2      EOT/EG8      EOT/WOW      MIN/MAJ      EG8/EG2      WOW/MAJ
  1.75:1      .65:1      5.58:1      .81:1      .11:1      2.04:1      .02:1      3.52:1
<-----UPDATE PARAMETERS----->
  DATE      EOT      FHR      MAJ      EG2      EG8      MIN      WOW
  31MAY97      4641.3      4129.8      2134      8.35      0.16      4358      4129.80
<-----RATIOS----->

```

H9902790

Figure 3-291. E19A Serialized Item History (F108)

H9902791

3-303

```

Menu Utilities Compilers Help
-----
BROWSE      CESKF.SPF910.OUTLIST                               Line 00000010 Col 001 132
Command ==>
CDB DATE/TIME : 12MAR99/1359                                * **SERIALIZED ITEM HISTORY (F101) *
REQUESTING ORGANIZATION: TILC                                REQUESTERS CODE: SKF      REQUESTERS EXTENSION: 3367599
                                                                CED042.BRE19C.A10A

REQ  REQ      AIRCRAFT      CMD  SPEC COND
CII NO. SER NO.  PART NO.    MDS  SERIAL NR    CODE  STAT CODE SRAN DSCRP  REQ TIME FRAME
AF10110 GE0E470108 9550M10G01 B001B 8600000140 1C      A  DYESS 7 LSS  01JAN95 TO 11MAR99
*****
<-----*TOTALS AND RATIOS*****>
          ACC      ACC      ACC      ACC      ACC      ACC      ACC      ACC      ACC      ACC      ACC      ACC
DATE      EOT      LCF      CIC      A/B CYC  A/B HRS  TAT 1600  TAT 1630  TAT 1660  TAT 1685  TAT 1705  CYCLE  FHR
31AUG97    2884.0    679    12014    4977    67.9    289.7    216.0    166.3    60.6    24.2    7041    2576.4
<-----RATIOS----->
          AB      AB  AB      AB      TAT      TAT      TAT      TAT      TAT
EOT/LCF FTC/LCF CIC/LCF CYC/LCF CYC/HRS LCF/FHR EOT/FHR EOT/HRS EOT/1600 EOT/1630 EOT/1660 EOT/1685 EOT/1705
4.25:1 .37:1 7.69:1 7.33:1 3.30:1 .26:1 1.12:1 2.47:1 9.96:1 3.35:1 7.34:1 7.59:1 9.17:1
<-----UPDATE PARAMETERS----->
          ACC      ACC      ACC      ACC      ACC      ACC      ACC      ACC      ACC      ACC      ACC      ACC
DATE      EOT      LCF      CIC      A/B CYC  A/B HRS  TAT 1600  TAT 1630  TAT 1660  TAT 1685  TAT 1705  CYCLE  FHR
02SEP97    1830.2    418    6354    2761    26.8    97.4    59.3    32.7    12.6    2.5    4369    5.9
<-----RATIOS----->
          AB      AB  AB      AB      TAT      TAT      TAT      TAT      TAT
EOT/LCF FTC/LCF CIC/LCF CYC/LCF CYC/HRS LCF/FHR EOT/FHR EOT/HRS EOT/1600 EOT/1630 EOT/1660 EOT/1685 EOT/1705
4.38:1 .45:1 5.20:1 6.61:1 3.02:1 .85:1 .20:1 8.29:1 8.79:1 .86:1 5.97:1 5.25:1 2.08:1

```

H9902792

Figure 3-293. E19C Serialized Item History (F101)

Figure 3-294. Deleted

```

Menu Utilities Compilers Help
-----
BROWSE      CESKF.SPF919.OUTLIST                               Line 00000009 Col 001 132
Command ==>                                         Scroll ==> PAGE
CDB DATE/TIME : 12MAR99/1429          * * * * CONFIGURATION ITEM/PART NUMBER MASTER RECORD--PART ONE * * * *   CED042.BRE100.A10A
REQUESTING ORGANIZATION:TILC          REQUESTERS CODE: SKF      REQUESTERS EXTENSION: 3367599
REQUESTED CII: AF11010
*****
CII          NOUN          IND   WUC   QPA   SET  NHA      NHA
AF11010      F110-GE100 ENGINE, TURBOFAN      2   27Z00   01   N   CII      NOUN

PART          DATE          K-FAC   K-   LIFE   LIFE   LIM   O/I   O/I   LIMIT   DEPOT   LIMIT   NSN
NUMBER        ESTB        MDS  DATE   FAC   TLCC  LIMIT  DATE  DSGN  LIMIT  DATE  LIMIT  DATE  CLASS
....9521M10G01  ..09JUN87..  F016C.09JUN87 .000..EOTN..0000000..09JUN87..0000000..0000000..09JUN87..0000000..09JUN87..2840
                                TACN 0000000 09JUN87 0000000 0000000 09JUN87 0000000 09JUN87
                                FHRN 0000000 02JUL96 0000000 0000000 02JUL96 0000000 02JUL96

          9521M10G01      09JUN87  F016D 09JUN87 .000 EOTN 0000000 09JUN87 0000000 0000000 09JUN87 0000000 09JUN87 2840
                                TACN 0000000 09JUN87 0000000 0000000 09JUN87 0000000 09JUN87
                                FHRN 0000000 02JUL96 0000000 0000000 02JUL96 0000000 02JUL96

          9546M10G01      09JUN87  F016C 09JUN87 .000 EOTN 0000000 09JUN87 0000000 0000000 09JUN87 0000000 09JUN87 2840
                                TACN 0000000 09JUN87 0000000 0000000 09JUN87 0000000 09JUN87
                                FHRN 0000000 02JUL96 0000000 0000000 02JUL96 0000000 02JUL96

          9546M10G01      09JUN87  F016D 09JUN87 .000 EOTN 0000000 09JUN87 0000000 0000000 09JUN87 0000000 09JUN87 2840

```

H9902794

Figure 3-295. E100-1 Configuration Item/Part Number Master Record (Part 1)

```

Menu Utilities Compilers Help
-----
BROWSE      CESKF.SPF920.OUTLIST                      Line 00000009 Col 001 132
Command ==>                                         Scroll ==> PAGE
CDB DATE/TIME : 12MAR99/1430          * * * * CONFIGURATION ITEM/PART NUMBER MASTER RECORD--PART TWO * * * *
REQUESTING ORGANIZATION:TILC          REQUESTERS CODE: SKF      REQUESTERS EXTENSION: 3367599  CED042.BRE100.A20A
REQUESTED
CII      NOUN                                IND NHA CII NHA NOUN                                WUC      QPA      SET
AF11010  F110-GE100 ENGINE, TURBOFAN      2                                27Z00      01      IND
PART      DATE      K-FAC K-      ACT LIFE      LIMIT      O/I      LIMIT      DEPOT      LIMIT      EQUIP  NSN
NUMBER    ESTB      MDS      DATE      FAC      TLCC KEY LIMIT      DATE      LIMIT      DATE      LIMIT      DATE      SPEC  CLASS
9521M10G01  09JUN87      F016C 09JUN87 .000      EOTN      00000000 09JUN87 00000000 09JUN87 00000000 09JUN87 00000000 09JUN87 2840 CURRENT
                                           TACN      00000000 09JUN87 00000000 09JUN87 00000000 09JUN87
                                           FHRN      00000000 02JUL96 00000000 02JUL96 00000000 02JUL96

*****
                                           FHRN  E  00000000 02JUL96                                JAS      HISTORY
*****
                                           FHRN  D  00000000 19JUN96                                CPG
*****
                                           ETTN  D  00000000 11AUG89                                JAS
*****
                                           ELCN  D  00000000 11AUG89                                JAS
*****
                                           ETTN  D  00000000 02SEP88                                DJC
*****
                                           ELCN                                DJC

```

H9902795

Figure 3-296. E100-2 Configuration Item/Part Number Master Record (Part 2)

```

Menu Utilities Compilers Help
-----
BROWSE      CESKF.SPF921.OUTLIST                               Line 00000001 Col 001 132
Command ==>                                         Scroll ==> PAGE
CDB DATE/TIME : 12MAR99/1450                               CED042.BRE101.A10A
*** LIFE LIMITING DATA BY SERIAL NUMBER ***
REQUESTING ORGANIZATION: TILC      REQUESTERS CODE:      SKF      REQUESTERS EXTENSION: 3367599
REQ      REQ      DATE LAST      OWN      DT LAST      ENG      DATE      DATE OF REAS      TRANS
SERIAL NO  CII NO      TRANSACTION      CODE      MAINTENANCE POS      INSTL      REMOVAL      REM      COND      SRAN
PW0E712001 AP10010      ...  28FEB99      A      1      07AUG98      30JUN98      381      VA      5587
*****
CII NO      SER NO      NOUN      INSTL POS      PART NO
F015C      8600000169
*****
***** LIMIT DATA *****
*****
NOUN      SERIAL NO      PART NO      CII NO      TLCC      LIMIT      LIFE      LIFE      BLD LIMIT      AGE SINCE      S I
F100 ENGINE, TURBOFAN      .PW0E712001.4067220      .AF10010.EOTN.      NONE      .      5737.0.      .      NONE      5737.0      5737.0      .2
                                           FHRN      NONE      4064.2      NONE      4064.2      4064.2
                                           MANN      NONE      2629      NONE      2629      2629
                                           LCFN      NONE      25045      NONE      25045      25045
                                           CY4N      NONE      54543      NONE      54543      54543
                                           CCYN      NONE      8233      NONE      8233      8233
H9902796

```

Figure 3-297. E101-1 Life Limiting Data by Serial Number (Sheet 1 of 2)

Menu Utilities Compilers Help												
BROWSE CESKF.SPF921.OUTLIST							Line 00000024 Col 001 132					
Command ==>							Scroll ==> PAGE					
							NONE		8233			
CONTROL, EXHAUST NOZZLE CONVERGENT	000T0L0647 441476-7	LF100AD EOTH	3500	2374.9	1125.1	NONE	2374.9	2374.9	3			
							NONE		2374.9			
CONTROL-DIGITAL ENGINE ELECTRONIC	00AEEC1181 789900H05D07	LF10013 EOTH	9999	528.2	9470.8	NONE	528.2	528.2	3			
							NONE		528.2			
CONTROLLER-FUEL PUMP, AUGMENTOR	000VAD1639 441294-3	LF100AE EOTH	5000	1947.0	3053.0	NONE	1947.0	1947.0	3			
							NONE		1947.0			
COOLER OIL (FUEL)	00UAPG0859 UA539800-1	LF10017 EOTH	3000	528.2	2471.8	NONE	528.2	528.2	3			
							NONE		528.2			
CYLINDER ACTG LIN CPR BLEED	00AVF35024 440477-3	LF10018 EOTH	8000	1324.7	6675.3	NONE	1324.7	1073.0	3			
							NONE		1324.7			
CYLINDER ACTG LIN VAR VN REAR CPR	00AVAE0119 441293-3	LF100AF EOTH	6000	5737.0	263.0	NONE	5737.0	5737.0	3			
							NONE		5737.0			
CYLINDER ACTG LIN VAR VN REAR CPR	00AVAE0140 441293-3	LF100AF EOTH	6000	3074.8	2925.2	NONE	4527.9	4527.9	3			
							NONE		3074.8			
DUCT-FAN OUTER FRONT ASSY	0000RH1729 4069888	LF1001A EOTN	5500	5732.2	-232.2	5500	5732.2	5732.2	3			
							5500		5732.2			
							BLD LIMIT		AGE SINCE		S I	
							DEPOT		NEW		OCM E N	
NOUN	SERIAL NO	PART NO	CII NO	TLCC	LIMIT	LIFE USED	LIFE REMAIN	OI	OH T D			
DUCT-FAN, REAR, ASSY OF	0000KA5419	4054477	LF1001B	EOTN	5000	3085.3	1914.7	NONE	3085.3	3085.3	3	
							NONE		3085.3			
EXCITER-IGNITION, DUAL	0GLABA0394	47418-1	LF1001C	EOTH	3300	828.6	2471.4	3300	4261.4	828.6	3	

H990279

H8902799

Figure 3-297. E101-2 Life Limiting Data by Serial Number (Sheet 2 of 2)

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CESKF.SPF922.OUTLIST                               Line 00000019 Col 001 132
Command ==>                                                    Scroll ==> PAGE
CDB DATE/TIME: 12MAR99/1512          * * * * * INVENTORY AND LIFE REMAINING * * * * *          CED042.BRE102.A10A
REQUESTING ORGANIZATION: TILC          REQUESTERS CODE: SKF          REQUESTERS EXTENSION: 3367599
REQ CII  REQ PART                                %  SER  LOSS  REQ  MAJ  REQ SPEC  REQ  REQ  SET
NUMBER  NUMBER  NOUN                                UNIT REM  STA  CD  SRAN  COM  STAT  TLCC  COND  IND
PF1003A  ALL      SEAL AIR, COMPRESSOR, 2ND STAGE  ALL  100  ALL  ALL  4808  ALL  ALL  CCYN  ALL  4
* * * * *
SERIAL  PART  NHA  NHA SERIAL ENG SERIAL  TMSM  INST  SRAN  SPC  ORG  TRANS  LIFE  LIFE  LIFE
NUMBER  NUMBER  CII  NUMBER  NUMBER  DATE  STA  CD  COND  CDM  TLCC  LIMIT  USED  REMAIN
SBDUAH2337 4079078 DF10030 PW0FFA0426 PW0E682306 19OCT94 4808 K VA CCYN 010000 1560 8440
SBDUAH2352 4079078 DF10030 PW0F002195 PW0E682258 30AUG94 4808 K VA CCYN 010000 1321 8679
SBDUAH2365 4079078 DF10030 PW0F000629 PW0E680668 23AUG93 4808 K VA CCYN 010000 2129 7871
SBDUAH2386 4079078 DF10030 PW0F000519 PW0E680650 29APR96 4808 K VA CCYN 010000 1580 8420
SBDUAH2390 4079078 DF10030 PW0F000555 PW0E680321 23AUG93 4808 K VA CCYN 010000 1834 8166
SBDUAH2407 4079078 DF10030 PW0F000899 PW0E681479 26AUG94 4808 K VA CCYN 010000 1443 8557
SBDUAH2456 4079078 DF10030 PW0FFA0184 PW0E681971 27FEB97 4808 K VA CCYN 010000 568 9432
SBDUAH2528 4079078 DF10030 PW0F003639 PW0E680298 13JUN96 4808 K VA CCYN 010000 1257 8743
SBDUAH2529 4079078 DF10030 PW0F001324 PW0E681469 21AUG95 4808 K VA CCYN 010000 496 9504
SBDUAH2551 4079078 DF10030 PW0F001621 PW0E680542 14FEB94 4808 K VA CCYN 010000 1378 8622
SBDUAH2564 4079078 DF10030 PW0F001047 PW0E681521 30NOV93 4808 K VA CCYN 010000 1709 8291
SBDUAH2568 4079078 DF10030 PW0F001608 PW0E681313 16JUN94 4808 K VA CCYN 010000 1083 8917
SBDUAH2576 4079078 DF10030 PW0F003031 PW0E681732 10DEC96 4808 K VA CCYN 010000 1134 8866
SBDUAH2582 4079078 DF10030 PW0F002144 PW0E682191 14JUL94 4808 K VA CCYN 010000 1331 8669
H9902800

```

Figure 3-298. E102-1 Inventory and Life Remaining (Sheet 1 of 2)

CDB DATE/TIME: 21JUN99/1104 * * * * * INVENTORY AND LIFE REMAINING * * * * * CED042.BRE102.A10A

REQUESTING ORGANIZATION: TILC REQUESTERS CODE: SKF REQUESTERS EXTENSION: 3367599

REQ CII NUMBER	REQ PART NUMBER	NOUN	UNIT	% REM	SER STA	LOSS CD	REQ SRAN	MAJ COM	REQ SPEC STAT	REQ TLCC	REQ COND	SET IND
PF1003A	ALL	SEAL AIR, COMPRESSOR, 2ND STAGE	ALL	100	ALL	ALL	6022	ALL	ALL	CCYN	ALL	4

* * * * *

SERIAL NUMBER	PART NUMBER	NHA CII	NHA SERIAL NUMBER	ENG SERIAL NUMBER	TMSM	INST DATE	SRAN	SPC STA	ORG CD	TRANS COND	CDM	TLCC	LIFE LIMIT	LIFE USED	LIFE REMAIN
SBDUAH1126	4079078	DF10030	PW0F002101	PW0E703674		20MAY95	6022		Y	VA		CCYN	010000	2407	7593
SBDUAH1136	4079078	DF10030	PW0F003202	PW0E705101		12APR93	6022		Y	VA		CCYN	010000	1895	8105
SBDUAH2323	4079078	DF10030	PW0F003358	PW0E703096		30MAR95	6022		Y	VA		CCYN	010000	1398	8602
SBDUAH2343	4079078	DF10030	PW0F003244	PW0E713196		29APR95	6022		Y	VA		CCYN	010000	1785	8215
SBDUAH2349	4079078	DF10030	PW0F001755	PW0E703650		28SEP94	6022		Y	VA		CCYN	010000	2059	7941
SBDUAH2444	4079078	DF10030	PW0F007561	PW0E703404		15OCT93	6022		Y	VA		CCYN	010000	1091	8909
SBDUAH2481	4079078	DF10030	PW0F003725	PW0E705276		31MAR95	6022		Y	VA		CCYN	010000	1141	8859
SBDUAH2619	4079079	DF10030	PW0F010663	PW0E713324		31JAN94	6022		Y	VA		CCYN	020000	3450	16550
SBDUAH2678	4079079	DF10030	PW0F010964	PW0E703531		27FEB97	6022		Y	VA		CCYN	020000	1032	18968
SBDUAH2746	4079079	DF10030	PW0F005026	PW0E703607		29AUG94	6022		Y	VA		CCYN	020000	1887	18113
SBDUAH3085	4079078	DF10030	PW0F002514	PW0E713437		28JUN93	6022		Y	VA		CCYN	010000	2354	7646

END OF REPORT

TOTAL NUMBER RECORDS 87
TOTAL SERIAL NUMBERS 87

H9902801

Figure 3-298. E102-2 Inventory and Life Remaining (Sheet 2 of 2)

```

Menu Utilities Compilers Help
-----
BROWSE      CEJAS.SPF532.OUTLIST                               Line 00000118 Col 001 132
Command ==>                                         Scroll ==> PAGE
*****
1CDB DATE/TIME : 11MAR99/1359                                * * * * CONFIGURATION PROFILE BY SERIAL NUMBER * * * *
-REQUESTING ORGANIZATION: TILC                                REQUESTERS CODE:      STREL      REQUESTERS EXTENTION: 3365907
OREQ      REQ      DATE LAST    OWN      DT LAST  ENG      DATE      DATE OF REAS  TRANS
SERIAL NO  CII NO    TRANSACTION  CODE  MAINTENANCE POS  INSTL  REMOVAL  REM  COND  SRAN
0GE0E470115 AF10110 ... 31JAN99      A      03SEP92  4  21AUG98  20AUG98  233  VA  4661
_* * * * * NEXT HIGHER ASSEMBLY * * * * *
0      CII NO      SER NO      NOUN      INSTL POS  PART NO
0      B001B      8300000066
_* * * * * LIMIT DATA * * * * *
0      A
NOUN      SERIAL NO  PART NO      CII NO  C  TLCC  LIMIT      TSN      LIFE      PART TSN  ENG TSN  ACC-TIM
0      F101-GE102 ENGINE, TURBOFAN      GE0E470115 9550M10G01      AF10110 A  FHRS  21362  2200.7  19161.3  2200.7  2120.2      .0
      EOTN  NONE  3053.6      3053.6  2936.5      .0
      TACN  NONE  2621      2621  2488      00
      FHRN  NONE  2200.7      2200.7  2120.2      .0
#1 BEARING      00MDAP4034 9959M70P01      LF10111 A  EOTN  NONE  3053.6      .0      .0  3053.6
#2 BEARING      00PAFP2208 9732M22P07      LF10112 A  EOTN  NONE  1345.9      .0  1707.7  1345.9
#3 BEARING      00PAFM9883 9732M10P12      LF10113 A  EOTN  NONE  1345.9      .0  1707.7  1345.9
#4 BEARING      00MABN2501 9732M13P07      LF10114 A  EOTN  NONE  1345.9      .0  1707.7  1345.9
#5 BEARING      00FAFC3252 9340M16P03      LF10115 A  EOTN  NONE  3196.3      1850.4  1707.7  1345.9
MAIN ENGINE CONTROL      00WYG37852 1270M87P08      LF10116 A  EOTN  NONE  2019.0      877.5  1912.1  1141.5

```

H9902802

Figure 3-299. E103 Configuration Profile by Serial Number


```

CDB DATE/TIME: 21JUN99/1108          * * * * * INVENTORY AND NHA"S * * * * *          CED042.BRE105.A10A

REQUESTING ORGANIZATION: TILC          REQUESTERS CODE: SKF          REQUESTERS EXTENSION: 3367599

REQ          REQ          REQ          REQ
CII          NOUN          CMD          SRAN          UNIT          TLCC          OPT          MDS          AC

PF1003A      SEAL AIR, COMPRESSOR, 2ND STAGE          ALL          6022          ALL          CCYN          1          ALL          ALL

* * * * *

SERIAL      PART      ENG      INST      ORG A TR      LIFE      LIFE      LIFE
NUMBER      NUMBER      ID 1ST NHA SN 2ND NHA SN 3RD NHA SN 4TH NHA SN DATE      SRAN CD C CD  CDM TLCC LIMIT      USED      REMAIN

SBDUAH1126  4079078      YF PW0F002101 PW0E703674 9000000708      20MAY95 6022 Y N VA      CCYN 010000      2407      7593
SBDUAH1136  4079078      YF PW0F003202 PW0E705101 9000000713      12APR93 6022 Y N VA      CCYN 010000      1895      8105
SBDUAH2323  4079078      YF PW0F003358 PW0E703096 9000000741      30MAR95 6022 Y N VA      CCYN 010000      1398      8602
SBDUAH2343  4079078      YF PW0F003244 PW0E713196 8400001278      29APR95 6022 Y N VA      CCYN 010000      1785      8215
SBDUAH2349  4079078      YF PW0F001755 PW0E703650 8800000427      28SEP94 6022 Y N VA      CCYN 010000      2059      7941
SBDUAH2444  4079078      YF PW0F007561 PW0E703404 8200001026      15OCT93 6022 Y N VA      CCYN 010000      1091      8909
SBDUAH2481  4079078      YF PW0F003725 PW0E705276 7900000364      31MAR95 6022 Y N VA      CCYN 010000      1141      8859
SBDUAH2619  4079079      YF PW0F010663 PW0E713324 8800000520      31JAN94 6022 Y N VA      CCYN 020000      3450      16550
*****

                                END OF REPORT                                TOTAL NUMBER RECORDS      87
                                TOTAL SERIAL NUMBERS      87
*****
H9902803

```

Figure 3-300. E105-1 Inventory and NHAs (Option 1)

CDB DATE/TIME: 22JUN99/1452

* * * * * INVENTORY AND NHA"S * * * * *

CED042.BRE105.A10A

REQUESTING ORGANIZATION: TILC

REQUESTERS CODE: SKF

REQUESTERS EXTENSION: 3367599

REQ CII	NOUN	REQ CMD	REQ SRAN	REQ UNIT	REQ TLCC	OPT	MDS	AC
PF1003A	SEAL AIR, COMPRESSOR, 2ND STAGE	ALL	ALL	ALL	CCYN	2	F015C	ALL

SERIAL NUMBER	PART NUMBER	ENG ID 1ST NHA SN 2ND NHA SN 3RD NHA SN 4TH NHA SN	INST DATE	SRAN	MDS	CDM	TLCC	LIFE LIMIT	LIFE USED	LIFE REMAIN
SBDUAH1131	4079078	YF PW0F010282 PW0E712053 8600000143	22JUL96	4897	A015C		CCYN	010000	3209	6791
SBDUAH2193	4079079	YF PW0F010655 PW0E711842 8000000033	09NOV93	4852	A015C		CCYN	020000	1777	18223
SBDUAH2330	4079078	YF PW0F007275 PW0E712070 8600000156	16NOV94	5587	A015C		CCYN	010000	2231	7769
SBDUAH2344	4079078	YF PW0F010084 PW0E697140 8600000167	24MAR95	5587	A015C		CCYN	010000	1009	8991
SBDUAH2357	4079078	YF PW0F001582 PW0E711827 8000000030	26SEP98	4852	A015C		CCYN	010000	2894	7106
SBDUAH2366	4079078	YF PW0F003788 PW0E711833	31MAR97	5000	A015C		CCYN	010000	727	9273
SBDUAH2451	4079078	YF PW0F003878 PW0E719010	30SEP93	2823	A015C		CCYN	010000	1190	8810
SBDUAH2453	4079078	YF PW0F003810 PW0E703047	29SEP93	2823	A015C		CCYN	010000	2388	7612
SBDUAH2460	4079078	YF PW0F003058 PW0E713215 8400000002	31MAR97	4808	A015C		CCYN	010000	729	9271
SBDUAH2471	4079078	YF PW0F010324 PW0E712050 8500000093	27OCT94	5000	A015C		CCYN	010000	2049	7951
SBDUAH2585	4079078	YF PW0F000853 PW0E719112 8600000177	30APR97	4897	A015C		CCYN	010000	1484	8516

END OF REPORT

TOTAL NUMBER RECORDS	11
TOTAL SERIAL NUMBERS	11

H9902804

Figure 3-301. E105-2 Inventory and NHAs (Option 2)

```

Menu Utilities Compilers Help
-----
BROWSE      CESKF.SPF926.OUTLIST                               Line 00000000 Col 001 132
Command ==>                                                    Scroll ==> PAGE
***** Top of Data *****
15MAR99 10.20.54          HISTORY OF UPDATE TRANSACTIONS          CED042.NOE111.A10A
REQ CI: ATF3410  REQ SN: GE00205002  REQ ORG: TILC          FROM 61001  TO 99074  REQ CD: SKF  REQ EXT: 3367599
PROCESS  TRANS                                     CAT          MISSION  TRANS  TYP  TERM
DATE     DATE      SRAN/UNIT  NHA SN      RECORDER SN  NO  TLC      TIME      PROFILE  COND  RPT  ID
22DEC83   22NOV83   4877      7500000290  000000128F  11  FHR       5.8        TEMS      6U      ....CE19002S
                                     09  EOT       129.9
                                     31  T78      686.97
                                     32  TT8      547.48
                                     33  HSF      67229
                                     34  840       0
                                     35  927       0
                                     36  EV5      2596
                                     37  EV7      6743
                                     38  EV8      4719
22DEC83   22NOV83   4877      7500000290  000000128F  11  FHR       .0        6T      CE19002S
                                     09  EOT      113.2
                                     31  T78      685.38
                                     32  TT8      547.48
                                     33  HSF      67149
                                     34  840       0
                                     35  927       0
                                     36  EV5      2583

```

H9902805

Figure 3-302. E111-1 History of Update Transactions (Sheet 1 of 2)

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CFSKF.SPF926.OUTLIST                               Line 00009414 Col 001 132
Command ==>                                                    Scroll ==> PAGE

      11JUL97      09JUL97      6112      8000000218      .....
      11JUL97      09JUL97      6112      8000000218      .....
      25JUL97      23JUL97      6112      8000000218      .....
      25JUL97      23JUL97      6112      8000000218      .....

      37  EV7      22038
      38  EV8      10822
      11  FHR      4.1      N      6U      CEPAM
      09  EOT      .0
      11  FHR      4010.0      N      6U      CEPAM
      09  EOT      5615.4
      31  T78      705.99
      32  TT8      780.94
      33  HSF      466513
      36  EV5      3106
      37  EV7      22038
      38  EV8      10822
      11  FHR      17.9      Y      6U      CEPAM
      09  EOT      .0
      11  FHR      4027.9      Y      6U      CEPAM
      09  EOT      5615.4
      31  T78      705.99
      32  TT8      780.94
      33  HSF      466513
      36  EV5      3106
      37  EV7      22038
      38  EV8      10822
***** Bottom of Data *****
H9902806

```

Figure 3-302. E111-2 History of Update Transactions (Sheet 2 of 2)

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CESKF.SPF927.OUTLIST                               Line 00000014 Col 001 132
Command ==>                                         Scroll ==> PAGE
15MAR99  01:48 PM                                TRANSACTION HISTORY      PAGE      1      CED042.NOE112.A10A
SRAN: 5587   CII: AF10010   START DATE: 95200   STOP DATE: 98001      REQUESTED TRANS COND CODE: 6U  FB  VA  6A
                                         6S  LB
SERIAL      NHA SER      PROC      TRAN      SEQ      TRANS      USER      CAT
NUMBER      NUMBER      DATE      DATE      NUMBER      COND-CD      ID
PW0E680110  86000000176  02OCT97  29SEP97  5587  1000231  6U      CEGG9
11  FHR      0.0  09  EOT      4.0  0D
15  MAN      5    16  LCF      25
17  HS1      0.57 18  HS2      0.00
62  ABC      15   63  ABT      0.1
71  VMX      0.00 72  CY4      27
73  HS3      0.65 74  HS4      0.09
77  IFT      0.0
PW0E680110  86000000176  06OCT97  03OCT97  5587  1000358  6U      CEJG9
11  FHR      0.0  09  EOT      5.6  0D
15  MAN      6    16  LCF      34
17  HS1      0.80 18  HS2      0.00
62  ABC      30   63  ABT      0.2
71  VMX      0.00 72  CY4      56
73  HS3      0.91 74  HS4      0.27
77  IFT      0.7
PW0E680110  86000000176  06OCT97  03OCT97  5587  1000359  6U      CEJG9
11  FHR      0.0  09  EOT      5.8  0D
15  MAN      6    16  LCF      34
17  HS1      0.80 18  HS2      0.00
62  ABC      30   63  ABT      0.2

```

H9902807

Figure 3-303. E112 Transaction History

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CESKF.SPF930.OUTLIST                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
15MAR99  14.58.37      OFFLINE 1534 HISTORY TRANS          CED042.NOE115.A10A
REQ CI:ATF3410 REQ SN:GE00205002 FR:93001 TO:97001 ORG:TILC  CD:SKF EXT:336759
SEQNO SDATE  SRAN TC T CMDO AMDS      END-ITEM      FHR TFSR RR P PDATE TERM-ID PC
900338094250 7978 JF R 1M A A                                94270 CESKF
900339094250 7978 RR 4 1M A A                                94270 CESKF #
900340094251 7978 SR R 1M A A251XR NOT FURN          6382251 94270 CEIRL #
900195094260 6382 RR R 4Z F N424301XNOT FURN          424 94271 CEKBH #
900196094260 6382 JR 4 4Z F N                                94271 CEKBH
100189095015 6382 FB R 4Z F N                                95017 CEKBH
100190095015 6382 VA R 4Z F N A010A8100000981 03656      2 95017 CEKBH #
400001095090 6382 VA T 4Z F N A010A8100000981 03682      2 95091 CEBUA145#
600037095142 6382 LB R 4Z F N                                03717      800 95153 CEKBH #
600082095158 6382 VA R 4Z F N A010A8000000218 03717      2 95163 CEKBH #
700001095181 6382 VA T 4Z F N A010A8000000218 03719      2 95182 CEBUA145#
***** Bottom of Data *****

```

H9902806

Figure 3-304. E115 Offline 1534 History Transaction

```

Menu Utilities Compilers Help
-----
BROWSE      CESKF.SPF932.OUTLIST                      Line 00000018 Col 001 132
Command ==>                                         Scroll ==> PAGE
CDB DATE/TIME : 15MAR99/1530 * * * * * AGE SINCE NEW/REPAIR BY CII * * * * *      CED042.BRE118.A10A

REQUESTING ORGANIZATION: TILC                      REQUESTERS CODE: SKF      REQUESTERS EXTENSION: 3367599

REQ                      SET REQ      REQ                      REQ  REQ  REQ                      FROM  TO
CII NR  NOUN                      IND  SRAN      SRAN DSCRIP      CMD  TLCC  TMSM      OPTION  DATE  DATE
LF10012  CONTROL, EXHAUST NOZZLE CONVERGENT      4808  EGLIN AFB      ALL  EOTH  ALL                      1  . . . . .  . . . . .

* * * * *

SERIAL                      AGE SINCE                      OVHL  OCM
NUMBER  PART NUMBER      CMD SRAN TLCC  LIMIT  NEW      OVHL  OCM  REMAIN  TMSM      MDS  DATE  DATE
0LPF950016 441553-11      1C 4808 EOTH  2500  1250.5      .5  1250.5  2499.5                      F015C 1998160
0T0D503587 441051-6      4808 EOTH  1200      .0      .0      .0  1200.0                      F015A
00T0D53815 441553-12      4808 EOTH  2500      .0      .0      .0  2500.0                      F015A
00T0D50130 441553-11      1C 4808 EOTH  2500  2364.6      280.5  249.4  2219.5                      F015C 1994238 1997342

```

H9902810

Figure 3-305. E118 Age Since New and/or Repair

```

Menu Utilities Compilers Help
-----
BROWSE      CE.EU127BRW.OCALC                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
CDB DATE/TIME : 15MAR99/1152      * * * ITEMS EXCEEDING LIFE LIMITING PARAMETER FOR MAJCOM EM * * *      CED042.BRE127.A10W
      COMMAND      ENGINE
      CODE      CII      TIME FRAME
      OD      AF11010      15MAR99
      AIRCRAFT      ENGINE
MDS SRAN SERIAL NR SERIAL NR POS CII SERIAL NR NOUN TLCC LIFE LIFE
OD 5682 8800000525 GE0E509937 1 PF110JA 00SUS0299F A EOTV 4000 -138.0 A
      PF110J9 00LJA19948 A EOTV 4000 -138.0 A
OD 5682 89000002046 GE0E545123 1 PF110J8 00SUS0913B A EOTV 4000 -126.8 A
CDB DATE/TIME : 15MAR99/1152      * * * ITEMS EXCEEDING LIFE LIMITING PARAMETER FOR MAJCOM EM * * *      CED042.BRE127.A10W
      COMMAND      ENGINE
      CODE      CII      TIME FRAME
      OM      ATF3310      15MAR99
      AIRCRAFT      ENGINE
MDS SRAN SERIAL NR SERIAL NR POS CII SERIAL NR NOUN TLCC LIFE LIFE
OM 6660 6500000257 PW00651053 3 PTF3335 00003R9734 R SORN 8000 -31 A
      COMMAND      ENGINE
      CODE      CII      TIME FRAME
      OM      ATF3310      15MAR99
      AIRCRAFT      ENGINE
MDS SRAN SERIAL NR SERIAL NR POS CII SERIAL NR NOUN TLCC LIFE LIFE
OM 6662 5800000053 PW00667844 4 LTF3313 0000G85965 R SORN 6500 -138 A

```

H9902811

Figure 3-306. E127-1 Items Exceeding Life Limits (Product 1-3)


```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.EU127BRW.CII                      Line 00000000 Col 001 132
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
CDB DATE/TIME : 15MAR99/1156                      * * * * *
AIRCRAFT      ENGINE      ITEMS EXCEEDING LIFE LIMITS      * * * * *
MDS  CMD      SERIAL NR    SERIAL NR    SRAN    CII    SERIAL NR    NOUN    TLCC  LIFE  LIFE
1M   1M      SERIAL NR    SERIAL NR    2059    LF100AA  OGLABC0744    N    EOTH  4000  -193.1
2059 TOTAL ----- 1
1M   TOTAL ----- 1
1C   1C      8700000186    PW0E719096  4809    LF100AA  OGLABC0123    A    EOTH  4000  -62.9
1C   1C      8700000178    PW0E719159  4809    LF100AA  OGLABC0940    A    EOTH  4000  -53.6
1C   1C      8700000186    PW0E719177  4809    LF100AA  OGLABC0804    A    EOTH  4000  -21.9
1C   1C      8700000187    PW0E719307  4809    LF100AA  OGLABC0949    A    EOTH  4000  -42.0
4809 TOTAL ----- 4
1C   1C      4852    LF100AA  OGLABC0216    A    EOTH  4000  -26.9
1C   1C      4852    LF100AA  OGLABC0007    A    EOTH  3000  -78.0
1C   1C      4852    LF100AA  GLABC0343M    A    EOTH  3000  -103.1
1C   1C      9000000227    PW0E719025  4852    LF100AA  OGLABC0243    A    EOTH  4000  -135.2
4852 TOTAL ----- 4
1C   TOTAL ----- 8
0J   0J      8800000451    PW0E713279  4887    LF100AA  OGLABC1028    A    EOTH  4000  -2.1
4887 TOTAL ----- 1
0J   TOTAL ----- 1
1C   1C      8900000497    PW0E719015  4897    LF100AA  OGLABC0206    A    EOTH  4000  -97.6
1C   1C      8700000207    PW0E719302  4897    LF100AA  OGLABC1287    A    EOTH  4000  -54.0

```

H9902812

Figure 3-307. E127-2 Items Exceeding Life Limits (Product 4)

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.EU127BRW.UMPN                      Line 00000000 Col 001 080
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
LTF3011 UKLBAJ0394      F111D 2186901
LTF3011 0000P00571      F111A 2186901
LTF3011 00000U0780      FB111A 569201
LTF3012 ULDLAH0056      F111D 728402
LTF3012 0000R04190      F111A 728402
LTF3012 0000R21794      F111A 728332
LTF3013 ULDLAH0085      F111D 2185603
LTF3013 0000RY8994      F111A 2185603
LTF3014 ULDLAH0001      F111D 694704
LTF3014 0000R40631      F111A 694704
LTF3015 0000001507      F111D 025264200
LTF3016 000000288P      F111A 025285109
LTF3016 000000306A      F111D 025285109
LTF3016 000001319M      F111D 025285111
LTF3017 0000200663      FB111A 441204
LTF3017 0000202166      FB111A 441429
LTF3018 00000C3014      F111A 441049
LTF3018 0000001091      FB111A 441224
LTF3019 H/STURBINE      F111A 639097

```

H9902813

Figure 3-308. E127-3 Items Exceeding Life Limits (Product 5)

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CESKF.SPF933.OUTLIST                               Line 00000010 Col 001 132
Command ==>                                         Scroll ==> PAGE
REQUESTING ORGANIZATION: TILC                      REQUESTER CODE: SKF      REQUESTER EXTENSION: 3367599
REQUESTED                                         REQUESTED
CII NR      NOUN                                SRAN                CMD CODE
AF10010     F100 ENGINE, TURBOFAN                4808                1C
DATE        DATE        PART-NUMBER              RMVL              RMVL              RMVL              REASON              NHA              NHA              NHA-RMVL  NHA-RMVL
INSTALLED   REMOVED      PART-NUMBER              HOURS            CYCLES            SRAN              RMVL-CD            SERIAL-NR          PART-NUMBER      HOURS            CYCLES
SERIAL NR: PW0E680104  DATE LAST OVHL: 3411200  SRAN OVHL AGCY: 2059  SRAN LAST USING:
01JAN76    10AUG76    4045100              477.0            490              4887              73000000098
17AUG76    13OCT76    4045100              493.0            508              4887              73000000095
08FEB77    29MAR77    4045100              580.0            540              4887              ZZ              73000000113
27APR77    08JUL77    4045100              657.0            663              4887              73000000101
15JUL77    26OCT77    4045100              805.0            801              4887              ZZ              73000000101
26OCT77    02DEC77    4045100              851.0            840              4887              ZZ              74000000139
23JAN78    08MAR78    4045100              921.0            902              4887              ZZ              73000000106
09MAR78    13MAR78    4045100              933.0            912              4887              ZZ              73000000106
15APR78    09MAY78    4045100              1015.0           983              4887              ZZ0             76000000129
3411200    25SEP78    4045100              1055.0           2998             4887              799             73000000095
3411200    07NOV78    4045100              1129.0           3194             4887              513             73000000112
3411200    08NOV78    4045100              1129.0           3194             4887              00000000016
3411200    28NOV78    4045100              1129.0           3194             4887              76000000127
3411200    01DEC78    4045100              1136.0           3213             4887              76000000072
20DEC78    30MAY79    4045100              1438.0           4035             4887              799             76000000072
30MAY79    03JUL79    4045100              1476.0           4167             4887              799             76000000068

```

H9902814

Figure 3-309. E314 Removal History

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CESKF.SPF935.OUTLIST                               Line 00000009 Col 001 132
Command ==>                                         Scroll ==> PAGE
CDB DATE/TIME : 16MAR99/1325          * * * * ENGINE CONFIGURATION MATRIX F100 * * * *          CED042.BRE322.A10A
REQUESTING ORGANIZATION:TILC          REQUESTERS CODE: SKF          REQUESTER EXTENSION: 3367599
REQUESTED CII: AF10010          REQUESTED SRAN : 4808          REQUESTED COMMAND CODE: ALL
ENG/      POS      SRAN DSCRIP      MDS/
ACFT SER NO      INLET FAN      CORE      HIGH TURBINE      FAN DRIVE      AUGMENTOR      GEAR BOX      < - - - - - ACCESSORIES- - - - -
TLCC LF-USE      TLCC LF-USE      TLCC LF-USE      TLCC LF-USE      TLCC LF-USE      TLCC LF-USE      TLCC LF-USE      TLCC LF-USE      TLCC LF-USE      TLCC LF-USE
PW0E680104 2      EGLIN AFB          F015D
8500000131 PW0F003515 PW0C013427 PW0H010374 PW0L003797 PW0A000852 PW0G010911 00FJA30696 00AESC0628
NONE CCYV 5935 CCYV 4955 CCYV 3387 CCYV 4826 CCYV 1348 EOTH 95.3 EOTH 5085.8 EOTH 126.7
PW0E680108 1      EGLIN AFB          F015C
8500000102 PW0F003483 PW0C000775 PW0H002581 PW0L002594 PW0A000850 PW0G003305 00FJA33193 00AESC1303
NONE CCYV 4883 CCYV 6067 CCYV 6809 FHRI 2796.0 CCYV 8184 EOTH 175.8 EOTH 2141.4 EOTH 175.8
PW0E680111 2      EGLIN AFB          F015C
7900000074 PW0F001803 PW0C001127 PW0HHT0224 PW0L001048 PW0AFD0405 PW0GFE0195 00FJA33200 00AESC3665
NONE CCYV 6118 CCYV 5961 CCYV 5758 CCYV 6497 CCYV 7504 EOTH 2150.3 EOTH 1070.1 EOTH 3708.6
PW0E680138 1      EGLIN AFB          F015C
7900000035 PW0FFA0199 PW0C014101 PW0H004192 PW0L001253 PW0A001468 PW0GFE0344 00FJA31556 00AESC0508
NONE CCYV 9360 CCYV 5045 CCYV 4572 CCYV 7911 CCYV 8227 EOTH 1880.4 EOTH 5470.6 EOTH 1583.5
PW0E680195 1      EGLIN AFB          F015C
SPARE PW0F001655 PW0C001393 PW0H000530 PW0L003205 PW0A001621 PW0G001759 00FJA30160 00AESC0171
NONE CCYV 7499 CCYV 6846 CCYV 6923 CCYV 5299 CCYV 1772 EOTH 0.0 EOTH 5184.5 EOTH 496.0
PW0E680221 1      EGLIN AFB          F015C
SPARE PW0F002884 PW0C013052 PW0H002345 PW0L001158 PW0A002332 PW0G003307 00FJA30842

```

H9902815

Figure 3-310. E322 Engine Configuration Matrix F100

```

Menu Utilities Compilers Help
-----
BROWSE      CESKF.SPF936.OUTLIST                      Line 00000011 Col 001 132
Command ==>                                         Scroll ==> PAGE
CDB DATE/TIME: 16MAR99/1410          * * * * INVENTORY BY COMMAND/SRAN/UNIT * * * *          CED042.BRE323.A10A
REQUESTING ORGANIZATION: TILC          REQUESTERS CODE: SKF          REQUESTERS EXTENSION: 3367599
REQUESTED      REQUESTED      NOUN      REQUESTED      REQUESTED      REQUESTED      REQUESTED
CII NR          PART NUMBER          F100 ENGINE, TURBOFAN      SRAN      CMD CODE      UNIT
AF10010
LIFE      LIFE      LF-REM      DATE      4808      ALL      ALL
LIMIT      USED      PCT      INST      DESCRIPTION      CD      SERIAL NR      SERIAL NR
PW0E680104    4074200    EOTN      NONE      8568.5      0.0      08DEC98    EGLIN AFB      1C      8500000131
FHRN      NONE      5450.1      0.0
MANN      NONE      4026      0.0
LCFN      NONE      34883      0.0
HS1N      NONE      422.48      0.0
CCYN      NONE      11740      0.0
PW0E680108    4074200    EOTN      NONE      5302.7      0.0      21SEP98      1C      8500000102
FHRN      NONE      3538.1      0.0
MANN      NONE      2377      0.0
LCFN      NONE      21604      0.0
HS1N      NONE      145.00      0.0
CCYN      NONE      7184      0.0
PW0E680111    4074200    EOTN      NONE      8615.7      0.0      04MAR99      1C      7900000074
FHRN      NONE      4972.3      0.0
MANN      NONE      5223      0.0
LCFN      NONE      41606      0.0

```

H9902816

Figure 3-311. E323-1 Inventory by Command/SRAN/Unit (Sheet 1 of 2)

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CESKF.SPF936.OUTLIST                      Line 00000983 Col 001 132
Command ==>                                         Scroll ==> PAGE

PW0E682309  4074200      HS1N      NONE      127.19      0.0
                                     CCYN      NONE      6444      0.0
                                     EOTN      NONE      4544.2      0.0      06FEB98      1C      7900000053
                                     FHRN      NONE      2972.9      0.0
                                     MANN      NONE      1953      0.0
                                     LCFN      NONE      12312      0.0
                                     HS1N      NONE      98.24      0.0
                                     CCYN      NONE      4543      0.0
PW0E682311  4074200      EOTN      NONE      4391.9      0.0      1C
                                     FHRN      NONE      2829.8      0.0
                                     MANN      NONE      1872      0.0
                                     LCFN      NONE      15643      0.0
                                     HS1N      NONE      155.40      0.0
                                     CCYN      NONE      5315      0.0
PW0E682315  4074200      EOTN      NONE      4224.8      0.0      1C
                                     FHRN      NONE      2842.1      0.0
                                     MANN      NONE      1831      0.0
                                     LCFN      NONE      15383      0.0
                                     HS1N      NONE      76.03      0.0
                                     CCYN      NONE      5219      0.0
TOTAL QUANTITY OF SERIAL NUMBERS = 158
* * * END OF REPORT * * *
***** Bottom of Data *****
H9902817

```

Figure 3-311. E323-2 Inventory by Command/SRAN/Unit (Sheet 2 of 2)

```
Menu Utilities Compilers Help
-----
BROWSE      CESKF.SPF873.OUTLIST                               Line 00000015 Col 001 132
Command ==>                                                    Scroll ==> PAGE
CDB DATE/TIME : 09MAR99/1348                                * * * * AGE OF FLEET DISTRIBUTION * * * *
REQUESTING ORGANIZATION: TILC                                REQUESTORS CODE:   SKF                                CED042.BRE345.A10A
REQ                                                  REQ          REQ          REQ          REQ          REQ          REQ
CII          NOUN                                INTERVAL      CMD          MDS          TMSM          SRAN          TLC      CAT
AF10110      F101-GE102 ENGINE, TURBOFAN            0400          ALL          ALL          ALL          ALL          EOT      N
* * * * * BARGRAPH DEPICTION QUANTITY OF ITEMS WITHIN A SPECIFIC RANGE * * * * *
REQ UPPER LIMIT
HOUR/CYCLE RANGE
4400          4799 ** * 23
4000          4399 ***** * 68
3600          3999 ***** 134
3200          3599 ***** 110
2800          3199 ***** * 72
2400          2799 ** * 24
2000          2399 ** 8
1600          1999 ** 4
1200          1599 ** 1
800           1199 ** 3
400           799 NO ENGINE FOR THIS RANGE
00            399 ** 5
0 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 5 5 5 5
0 0 0 0 0 0 0 0 0 0 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2
TOTAL SERIAL NUMBERS      457
H0902818
```

Figure 3-312. E345 Age of Fleet Distribution

```
Menu Utilities Compilers Help
-----
BROWSE      CEJAS.SPF538.OUTLIST                               Line 00000012 Col 001 132
Command ===>                                         Scroll ==> CSR
REQUESTED CII NUMBER: AF10110   REQUESTED INTERVAL RANGE: 0250   REQUESTED-TLC: EOT   NOUN: F101-GE102 ENGINE, TURBOFAN
REQ UPPER LIMIT
HOUR/CYCLE RANGE
0005000    & OVER *** 1
0004750    0004999 *** 1
0004500    0004749 ** 13
0004250    0004499 ***** ** 49
0004000    0004249 ***** ** 89
0003750    0003999 ***** 177
0003500    0003749 ***** 243
0003250    0003499 ***** 341
0003000    0003249 ***** 408
0002750    0002999 ***** 477
0002500    0002749 ***** 522
0002250    0002499 ***** 497
0002000    0002249 ***** 602
0001750    0001999 ***** 698
0001500    0001749 ***** 725
0001250    0001499 ***** 657
0001000    0001249 ***** 587
0000750    0000999 ***** 536
0000500    0000749 ***** 333
               0 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 5 5 5
H9902819
```

Figure 3-313. E353 Age Distribution of Removals


```

Menu Utilities Compilers Help
-----
BROWSE      CEJAS.SPF540.OUTLIST                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> CSR
***** Top of Data *****
CDB DATE/TIME: 09 MAR 99/09:45:16                      ENGINE CONFIGURATION                      CED042.BRE360.A10A
REQ CII      RES SN              NOUN              NHA              POSITION              SRAN
AF10110      GE0E470116          F101-GE102 ENGINE, TURBOFAN          B001B 85000000082          3          2805 EDWARDS AFB
*****
SERIAL      PART              CII      WUC      NOUN              TRK              LIFE              TIME
NUMBER      NUMBER              CII      WUC      NOUN              MTH  TLCC      USED      LIMIT      REMAINING
00GWNG5294   9526M27P05          SF10166   23GDL   LPT BLD SET STG 2          09   EOTN      4115.1   NONE
00GWNG5173   1282M57P01          SF10163   23GDC   LPT BLD SET STG 1          09   EOTN      1236.6   NONE
00RPMCNO62   1282M88G05          SF10156   23GBH   HPT BLD SET                09   EOTN      1236.6   NONE
UNK0007854   9976M53P02          PF10191   23AEC   BEVEL GEAR IGB            09   EOTN      2856.9   NONE
00MPT9863    9528M84P05          PF10168   23GDQ   LPT SUPPORT CONE          09   EOTN      3120.7   NONE
00MPOU8737   9527M70P03          PF10167   23GDP   LPT SPACER SEAL           09   EOTN      3120.7   NONE
00GWNG5294   1359M25P02          PF10166   23GDN   LPT DISK STG 2            09   EOTN      3120.7   NONE
00NCE30394   9528M79P03          PF10165   23GDM   LPT BLD RETAINER STG 2    09   EOTN      3120.7   NONE
003WA47030   9528M82G01          PF10164   23GDF   LPT AIRSEAL               09   EOTN      3120.7   NONE
00GWNG5173   1359M26P02          PF10163   23GDE   LPT DISK STG 1            09   EOTN      3120.7   NONE
00NCE29111   9527M71P02          PF10162   23GDD   LPT BLD RETAINER STG 1    09   EOTN      3120.7   NONE
00MPOU3752   1275M24P01          PF10161   23GDB   LPT SHAFT                  09   EOTN      3120.7   NONE
00RPMCNO62   1385M23P03-101      PF10156   23GBE   HPT DISK                   09   EOTN      2379.2   NONE
00GWNE5969   1385M24P01-101      PF10155   23GBG   HPT AFT SHAFT              09   EOTN      3148.5   NONE
OLPA930098   1476M95P03          PF10154   23GBF   HPT AFT BLD RETAINER      09   EOTN      1236.6   NONE
00000DT387   1475M84P02          PF10153   23GBD   HPT FWD BLD RETAINER      09   EOTN      1236.6   NONE

```

H9902821

Figure 3-314. E360 Engine Configuration

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CEJAS.SPF564.OUTLIST                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> CSR
***** Top of Data *****
CDB DATE/TIME: 15MAR99/0848          * * INSPECTION/TIME CHANGE/WARRANTY STATUS * *          CED042.BRE361.A10A
REQUESTING ORGANIZATION: TILC          REQUESTERS CODE: STREL          REQUESTERS EXTENSION: 3365907
REQ          REQ          REQ          <-----REQ----->          REQ
CII          NOUN          PART NO          SRAN          UNIT          CATEGORY / CODE          OPT
AF10010      F100 ENGINE, TURBOFAN          ALL          6022          ALL          ALL          1
*****
SERIAL      PART      NHA      NHA SERIAL      ENG      INST      SRAN      ORG      CDMN      DUE      TIME
NUMBER      NUMBER      CII      NUMBER      POS      DATE      DESCRIPTION      CD      CD      TLCC      TIME      TSN      REMAIN
-----
PW0E681085  4075300          1      98317      ANG-AZ-TUCSON      Y          EOTA      7463      6780.5      682.5
                                         FHRA      4170      4105.6      64.4
                                         FHRB      4120      4105.6      14.4
                                         FHRD      4163      4105.6      57.4
PW0E697167  4075300          1      98349      ANG-AZ-TUCSON      Y          EOTA      6163      5183.2      979.8
                                         FHRA      3269      3230.8      38.2
                                         FHRB      3265      3230.8      34.2
                                         FHRD      3369      3230.8      138.2
PW0E697185  4075300          1      98289      ANG-AZ-TUCSON      Y          EOTA      4427      3480.9      946.1
                                         FHRA      2249      2222.8      26.2
                                         FHRB      2247      2222.8      24.2
                                         FHRD      2251      2222.8      28.2
PW0E697402  4075300          F016C  8900002091  1      98317      ANG-AZ-TUCSON      Y          EOTA      5389      4395.9      993.1

```

H9902822

Figure 3-315. E361 Inspection and/or Time Change and/or Warranty Status

```

Menu Utilities Compilers Help
-----
BROWSE      CEJAS.SPF567.OUTLIST                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> CSR
***** Top of Data *****
15MAR99 08\56\28      REMOVAL SUMMARY BY SERIAL NUMBER      CED042.BRE362.A10W
                        FROM DATE 97001   TO DATE 99064
CI      SERIAL NO      HOW MAL      CMD      SRAN      OPTION
AF10010  ALL          ALL          ALL      6022      2
CMD      SRAN      SERIAL NO      HOW MAL      DATE      TRAN/COND
4Z      6022      PW0E681085      877      18MAY98      LF
4Z      6022      PW0E681085      878      08JAN98      LF
4Z      6022      PW0E681085      879      07OCT98      LF
4Z      6022      PW0E681085      879      26FEB99      LF
4Z      6022      PW0E697066      224      17JAN97      LF
4Z      6022      PW0E697167      153      16APR98      LF
4Z      6022      PW0E697167      186      21JAN98      LF
4Z      6022      PW0E697167      228      01DEC98      LF
4Z      6022      PW0E697167      303      01AUG97      LF
4Z      6022      PW0E697167      878      23FEB99      LF
4Z      6022      PW0E697167      879      26NOV97      LF
4Z      6022      PW0E697185      200      26FEB99      LF
4Z      6022      PW0E697185      303      02OCT98      LF
4Z      6022      PW0E697185      804      24FEB98      LB
4Z      6022      PW0E697402      875      20JUN97      LB
4Z      6022      PW0E697402      875      27JAN98      LB
4Z      6022      PW0E697402      875      10MAR98      LB

```

H9902823

Figure 3-316. E362 Removal HOW MAL Summary

990315 0855 REQUIRED ITEMS NOT INSTALLED PCN: CED042.MRE371.A1SA
 REQ-CII: AF10110 REQ-SN: GE0E470115

CII	NOUN	REQ	INS	NHA-CII	NHA-SN
LF10115	#5 BEARING	001	000	AF10110	GE0E470115
LF10116	MAIN ENGINE CONTROL	001	000	AF10110	GE0E470115
LF10119	MAIN FUEL PUMP	001	000	AF10110	GE0E470115
LF1011A	BOOST PUMP	001	000	AF10110	GE0E470115
LF1011B	AUGMENTOR PUMP	001	000	AF10110	GE0E470115
LF1011C	LUBE/SCAVANGE PUMP	001	000	AF10110	GE0E470115
LF1011D	HYDRAULIC PUMP	001	000	AF10110	GE0E470115
HF10130	FAN ROTOR ASSY	001	000	AF10110	GE0E470115
PF10131	DISK, FAN ROTOR, 1ST STAGE	001	000	HF10130	
PF10132	FAN DISK STG 2	001	000	HF10130	
PF10133	FAN FRONT SHAFT	001	000	HF10130	
PF10134	FAN REAR SHAFT	001	000	HF10130	
PF10135	FAN AIRSEAL STG 2	001	000	HF10130	
HF10160	LPT ROTOR ASSY	001	000	AF10110	GE0E470115
PF10161	LPT SHAFT	001	000	HF10160	
PF10162	LPT BLD RETAINER STG 1	001	000	HF10160	
PF10163	LPT DISK STG 1	001	000	HF10160	
SF10163	LPT BLD SET STG 1	001	000	PF10163	
PF10164	LPT AIRSEAL	001	000	HF10160	

* * * MORE DATA FOLLOWS PRESS PA1 * * *

H9902824

Figure 3-317. E371 Required Items Not Installed

```

Menu Utilities Compilers Help
-----
BROWSE      CEJAS.SPF568.OUTLIST                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> CSR
***** Top of Data *****
CDB DATE/TIME : 15MAR99/0857          * * * RATIO OF TRACKING TLCS * * *          CED042.BRE372.A10A
                                         REQ ORG: TILC          REQ CD: STREL          REQ EXT: 3365907

* * * * * REQUEST DATA * * * * *
      CII          SRAN          UNIT          TIME FRAME
      AF10010      6022
ENGINE SERIAL NO.
* * * * * TOTALS AND RATIOS * * * * *
      FHR      EOT      MAN      LCF      HS1      HS2      ABC      ABT      VMX      CY4      HS3      HS4      IFT
TOTAL TIME
3272.8      4863.4      2764      29952      581.34      13598      79.5      62582      717.87      419.99      3056.6
TLC: EOT
.673      1.000      .568      6.158      .120      .000      2.795      .016      .000      12.867      .148      .086      .628
TOTAL ENGINES      TOTAL CCY      CCY/EOT
85      9563      1.966
* * * END OF REPORT * * *
***** Bottom of Data *****

```

H9902825

Figure 3-318. E372 Ratio of Tracking TLCS

H9902826

Figure 3-319. E373 Time Change and Inspection Forecast

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CEJAS.SPF573.OUTLIST                      Line 00000214 Col 001 132
Command ==>                                         Scroll ==> CSR
990315      0915                                CII FORECASTING          PCN: CED042.BRE374.A10A      PAGE      6

SERIAL NBR  PART NBR      ENGINE/AIRCRAFT  TLCC ENG T/CC   TSN   DUE-TIME  TIME-REMAIN  PRJ-EOT-REM  PRJ-DUE-DATE  PRJ-FHR-REM

PW0F003356 4081821-800    AF10010PW0E713099      VA
                                CCYV              7080      7465      385      195.0    OCT 22, 1999    131.2

PW0F003496 4081821-800    AF10010PW0E705131      VA
                                CCYV              6389      6834      445      226.0    NOV 26, 1999    152.0

PW0F001994 4081821-800    AF10010PW0E705043      VA
                                CCYV              9676     10166      490      249.0    DEC 22, 1999    167.5

PW0F002101 4081821-800    AF10010PW0E703674      EF
                                CCYV              4153      4656      503      255.0    *                171.6

PW0F003334 4081821-800    AF10010PW0E703074      VA
                                CCYV              6009      6527      518      263.0    JAN 07, 2000    176.9

PW0F007192 4081821-800    AF10010PW0E704041      VA
                                CCYV              6546      7086      540      274.0    JAN 20, 2000    184.4
                                H9902827

```

Figure 3-320. E374 CII Forecasting

```

Menu Utilities Compilers Help
-----
BROWSE      CEJAS.SPF569.OUTLIST                               Line 00000007 Col 001 132
Command ==>                                         Scroll ==> CSR
*****
CDB DATE/TIME : 15MAR99/0905          * * * * MAINTENANCE SELECTION SUMMARY * * * *          CED042.BRE402.A10A
REQUESTING ORGANIZATION: TILC          REQUESTERS CODE: STREL          REQUESTERS EXTENTION: 3365907
REQUESTED REQUESTED
CII NR      SERIAL NR PART NUMBER      NOUN      SRAN DSCRP      DATE DT RCV      REASON FOR
AF10110     GE0E470115 9550M10G01      F101-GE102 ENGINE, TURBOFAN      DYESS 7 LSS      08FEB99      REMOVED SUPPLY      REMOVAL DESCRIPTION
                                         <-----DEPOT----->      <---TCTO UNACCOMPLISHED--->
                                         LIFE      LIFE      O/I      MAINT DEPOT MAINT
CII NO      SERIAL NO NOUN      TLCC      LIMIT      USED      REMAIN LLI QTY HRS      QTY HRS      REMARKS
AF10110     GE0E470115 F101-GE102 ENGINE, TURBOFAN      FHRS      NONE      2232.8      4      77.8      .0      -----
                                         EOTN      NONE      3078.9
                                         TACN      NONE      2651
                                         FHRN      NONE      2232.8
LF10111     00MDAP4034 #1 BEARING      EOTN      NONE      3078.9      .0      .0      -----
LF10112     00FAFP2208 #2 BEARING      EOTN      NONE      1371.2      .0      .0      -----
LF10113     0LPA980036 #3 BEARING      EOTN      NONE      .0      .0      .0      -----
LF10114     00MABN2501 #4 BEARING      EOTN      NONE      1371.2      1      8.6      .0      -----
LF10117     00ECDK0554 APT CONTROL      EOTN      NONE      2566.3      .0      .0      -----
LF10118     00GAT1A010 AUGMENTOR CONTROL      EOTN      NONE      3939.2      .0      .0      -----
                                         EOTV      NONE      243.7
LF1011G     00ECDL0403 CITS PROCESSOR/ECC      EOTN      NONE      3202.3      .0      .0      -----
HF10140     00MP0T0577 HPC ROTOR ASSY      EOTN      NONE      4201.1      .0      .0      -----
                                         TACN      NONE      3986

```

H9902828

Figure 3-321. E402 Maintenance Selection Summary


```

Menu Utilities Compilers Help
-----
BROWSE      CEJAS.SPF571.OUTLIST                      Line 00000007 Col 001 132
Command ==>                                         Scroll ==> CSR
*****
CDB DATE/TIME : 15MAR99/0910          * * SERIALIZED COMPONENT INSTALLATION/REMOVAL F101* *          CED042.BRE404.A10A
REQUESTING ORGANIZATION: TILC          REQUESTERS CODE: STREL          REQUESTERS EXTENTION:3365907
REQUESTED CII: AF10110                REQUESTED TMSM: F0101102
* * * * * REQUESTED CII AND EACH NEXT LOWER INDENTURE * * * * *
< ACCUMULATED RAW DATA >
AB      TT2      TT4      TRAN
TIME    1630    1685    COND
EOT      FTC      CIC      AB      TT1      TT3      TT5      REM
      FHR      LCF      CYC      1600    1660    1705      RES

CII NR. SERIAL NR. PART NR.      NOUN
AF10110 _____ F101-GE102 ENGINE, TURBOFAN
LF10111 _____ #1 BEARING
LF10112 _____ #2 BEARING
LF10113 _____ #3 BEARING
LF10114 _____ #4 BEARING
LF10115 _____ #5 BEARING
LF10116 _____ MAIN ENGINE CONTROL

```

H9902829

Figure 3-322. E404 Serialized Component Installation or Removal

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CEJAS.SPF574.OUTLIST                               Line 00000007 Col 001 132
Command ==>                                         Scroll ==> CSR
*****
CDB DATE/TIME: 15MAR99/0946          * * * * CONFIGURATION CONTROL DOCUMENT * * * *          CED042.BRE405.A10A
REQUESTING ORGANIZATION: TILC          REQUESTERS CODE: STREL          REQUESTERS EXTENSION: 3365907

REQUESTED REQUESTED          LEVEL SPEC          TRANS
CII NR  SERIAL NR  PART NUMBER  NOUN          DEPOT  STAT  REASON FOR REMOVAL          OWN  COND
AF10110  GE0E470115  9550M10G01  F101-GE102 ENGINE, TURBOFAN  MA-CHG  CODE  CODE-DESCRIPTION          CD  CODE
*****
***** AGE DATA *****
*****
LIFE  LIFE  CHANGE  LIFE  AGE SINCE  AGE SINCE  AGE SINCE  <--BUILD LIMITS-->  TRANS
TLCC  LIMIT  USED  AGE  REMAIN  OVERHAUL  NEW  DEPOT VISIT  ORG/LIMIT  DEPOT  AEC  COND CD
FHRS  2992  2232.8  -----  759.2  2232.8  2232.8  1046.2  NONE  NONE  -----
EOTN  NONE  3078.9  -----  3078.9  3078.9  1366.4  NONE  NONE  -----
TACN  NONE  2651  -----  2651  2651  1260  NONE  NONE  -----
FHRN  NONE  2232.8  -----  2232.8  2232.8  1046.2  NONE  NONE  -----
*****
***** TCTO DATA *****
*****
TCTO  DATA  <----- PCS ----->  TCTO  TCTO  TCTO  STAT  LEV  EST  REQUIRED  TRANS
NUMBER  CODE  DESCRIPTION OF CHANGE CODE TCTO NUMBER  TYPE  STAT  STAT DT  CD  CG  MA  MNHRS  K  P  T  AEC  COND CD
2J-F101-525  0213747  8  01  29AUG92  C  1  Y  N  Y  -----
2J-F101-538  0214099  8  19  01JUL92  C  1.2  N  N  N  -----
2J-F101-550  0214642  8  01  22MAY97  C  6.7  Y  N  N  -----
2J-F101-551  0214659  8  01  29AUG92  C  .5  Y  N  N  -----
2J-F101-553  0214922  8  01  29AUG92  C  3.0  N  N  N  -----
2J-F101-557  0215124  8  01  12AUG91  C  1.0  N  N  N  -----

```

H9902830

Figure 3-323. E405 Configuration Control Document

Figure 3-323.1. E406 Online/Offline Automated History


```

Menu Utilities Compilers Help
-----
BROWSE      CEJAS.SPF578.OUTLIST                               Line 00000008 Col 001 132
Command ==>                                         Scroll ==> CSR
CDB DATE/TIME : 15MAR99/0953                      *** AUTOMATED HISTORY PART I ***      CED042.BRE407.A10A

REQUESTING ORGANIZATION:TILC      REQUESTER CODE:STREL      REQUESTER EXTENSION:3365907
CII      SERIAL NR      PART NUMBER      NOUN      WUC      SRAN      DESCRIPTION
ATF3010   PW00676690     TF0030109      TF30 ENGINE, TURBOFAN      23000      2037      TINKER AFB-2LEV
*****
*****INSTALLED DATA*****
<-----AGE DATA-----> <-----TC TO DATA----->
CII      SERIAL NO      PART NUMBER      NOUN      WUC      TLCC      TSN      LIMIT      USED      REMAIN      NUMBER      CODE      DATE      CD
ATF3010   PW00676690     TF0030109      TF30 ENGINE, TURBOFAN      23000      FHRF      3474.8      3497      3474.8      22.2      2J-TF30-852      02124629429003
                                           FHRH      3474.8      4097      3474.8      622.2
                                           FHRN      3474.8      2250      127.8      2122.2
                                           FHRN      3474.8      NONE      3474.8      .0
HTF3020   00001X4989     2179686      N1 FRONT LOW SPD COMPRESS23BB0      FHRN      3749.8      NONE      3749.8      .0
PTF3021   0000N29088     2180901      DISK,1ST STAGE      23BBA      FHRN      127.8      11000      127.8      10872.2
PTF3022   00005U7574     2181302EC      DISK,2ND STAGE      23BBG      FHRN      3749.8      8100      3749.8      4350.2
PTF3023   0000G54446     2178503EC      DISK,3RD STAGE      23BBL      FHRN      2562.8      7700      2562.8      5137.2
PTF3024   00009S7538     559504      DISK,4TH STAGE      23BBN      FHRN      3444.8      15000      3444.8      11555.2
PTF3025   0000S89894     709805      DISK,5TH STAGE      23BBP      FHRN      127.8      15000      127.8      14872.2
PTF3026   00005U9637     710206      DISK,6TH STAGE      23BBQ      FHRN      3676.8      12000      3676.8      8323.2
PTF3027   00001X4989     709807      DISK,7TH STAGE      23BBR      FHRN      2654.8      15000      2654.8      12345.2
PTF3028   0000009703     710208      DISK,8TH STAGE      23BBS      FHRN      3668.8      15000      3668.8      11331.2
PTF3029   0000S73244     709809      DISK,9TH STAGE      23BBT      FHRN      127.8      6000      127.8      5872.2

```

H9902832

Figure 3-324. E407-1 Automated History (Part 1)

Menu Utilities Compilers Help										

BROWSE		CESKF.SPF992.OUTLIST					Line 00000008 Col 001 132			
Command ==>							Scroll ==> PAGE			
DB DATE/TIME : 01APR99/1557		*** AUTOMATED HISTORY PART II ***					CED042.BRE407.A10A			
***** *HISTORICAL DATA *****										
TIMEFRAME: FROM 97052 TO 99091										
CII	SERIAL NR	PART NUMBER	NOUN	WUC	SRAN	DESCRIPTION	PAGE			
ATF3010	PW00676738	TF0030109	TF30 ENGINE, TURBOFAN	23000	2037	TINKER AFB-2LEV	1			
DATE	TM/SQ	LN	TEXT							
97052	1031	01	*							
	1031	02	VAR-INSTALLED	NHA:	EF111A	SN: 6700000052	SRAN: 4855	POS: 2		
	1031	03	TMSM: TF0030109							
	1031	04	**** TLC TC	TSN / LIMIT	TS OCM / LIMIT	TS OVHL / LIMIT				
	1031	05	PART FHR B	3878.3	4053	575.3				
	1032	01	*							
	1032	02	KFR-REMOVED TRAN	NHA:	EF111A	SN: 6700000052	SRAN: 4855	POS: 2		
	1032	03	PN: TF0030109	RMV	RSN: 200	OIL LEAKAGE				
	1032	04	**** TLC TC	TSN / LIMIT	TS OCM / LIMIT	TS OVHL / LIMIT				
	1032	05	PART FHR B	3878.3	4053	575.3				
97062	0700	00	ENG RECVD FOR 1ST STG FAN BLADE DAMAGE.ENG RECVD FROM A6014							
	0700	01	AT NELLIS AFB,NV.BORESCOPED 9TH & 10TH STG COMP AND FOUND							
	0700	02	NO DAMAGE.BORESCOPED 2-4 STG FOUND NO OTHER DAMAGE.2LVL QEC							
	0700	03	REMVD FOR SHIPMENT TO OC-ALC.ENG TRANSFERRED AND WRAPPED.							
	0700	04	READY FOR SHIPMENT.TSO:581.5 OIL:31.7 27FW CAFB NM 88103 RLJ							
97083	1700	01	*							
	1700	02	LB -REMOVED	CII: LTF3018	SN: 0000002042	SRAN: 4855	POS:			

H9902833

Figure 3-325. E407-2 Automated History (Part 2)

∞

Line 00000000

Col 001 132

Command `===>`

Scroll ==> CSR

***** Top of Data

***** D042E E407 INPUT *****

CIF AF11910

SN PW0E730026

OPTION 1

FR DATE/TIME/SEQ

TO DATE/TIME/SEQ

* * *

CDB DATE/TIME : 31JAN02/0810

CEDO42.BRE407.A10A

*** AUTOMATED HISTORY PART I ***

REQUESTING ORGANIZATION: TILC
3365907

[illegible]

<-----AGE DATA-----> <-----TCTO-----

DATA----->

ТСТО

DATA

CII SERIAL

CODE	DATE	CD
1	1999	1
2	2000	2
3	2001	3
4	2002	4
5	2003	5
6	2004	6
7	2005	7
8	2006	8
9	2007	9
10	2008	10
11	2009	11
12	2010	12
13	2011	13
14	2012	14
15	2013	15
16	2014	16
17	2015	17
18	2016	18
19	2017	19
20	2018	20
21	2019	21
22	2020	22
23	2021	23
24	2022	24
25	2023	25
26	2024	26
27	2025	27
28	2026	28
29	2027	29
30	2028	30
31	2029	31
32	2030	32
33	2031	33
34	2032	34
35	2033	35
36	2034	36
37	2035	37
38	2036	38
39	2037	39
40	2038	40
41	2039	41
42	2040	42
43	2041	43
44	2042	44
45	2043	45
46	2044	46
47	2045	47
48	2046	48
49	2047	49
50	2048	50
51	2049	51
52	2050	52
53	2051	53
54	2052	54
55	2053	55
56	2054	56
57	2055	57
58	2056	58
59	2057	59
60	2058	60
61	2059	61
62	2060	62
63	2061	63
64	2062	64
65	2063	65
66	2064	66
67	2065	67
68	2066	68
69	2067	69
70	2068	70
71	2069	71
72	2070	72
73	2071	73
74	2072	74
75	2073	75
76	2074	76
77	2075	77
78	2076	78
79	2077	79
80	2078	80
81	2079	81
82	2080	82
83	2081	83
84	2082	84
85	2083	85
86	2084	86
87	2085	87
88	2086	88
89	2087	89
90	2088	90
91	2089	91
92	2090	92
93	2091	93
94	2092	94
95	2093	95
96	2094	96
97	2095	97
98	2096	98
99	2097	99
100	2098	100
101	2099	101
102	2100	102
103	2101	103
104	2102	104
105	2103	105
106	2104	106
107	2105	107
108	2106	108
109	2107	109
110	2108	110
111	2109	111
112	2110	112
113	2111	113
114	2112	114
115	2113	115
116	2114	116
117	2115	117
118	2116	118
119	2117	119
120	2118	120
121	2119	121
122	2120	122

AF11910 PW0E730026 4321200

0000

$$\text{LCN/POS} = 720000$$

LCN NOUN

F119 ENGINE, TURBOFAN

TLCC

.0 NONE

MAIN

0.

NUMBER

H0201483

Figure 3-325.1. E407-3 Automated History (F119 Part 1)


```
Menu Utilities Compilers Help
=====
BROWSE CESC.F.SPF795.OUTLIST
Command ==>
CDB DATE/TIME : 28JUN02/1031
=====
*** OFFLINE AUTOMATED HISTORY ***
*** HISTORICAL DATA ***
TIMEFRAME: FROM *ALL* TO *ALL*
=====
CII SERIAL NR
AF10010 PW0E712001
DATE TM/SQ LN
92215 2126 01 ** TCTO TO CLOSED STATUS PROG. CEBU125 BY: SRAN: 4808
02 2J-F100-804 DC:0214591 REWORK DEEC SUP ASSY -220ENG F15/F16
03 PRV TCTO ST: 17 OLD-PN: 4067220 PRV-PN: 4067220
04 CUR TCTO ST: 01 NEW-PN: CUR-PN: 4067220
93145 2122 01 ** TCTO TO CLOSED STATUS PROG. CEBU125 BY: SRAN: 4808
02 2J-F100-834 DC:0214885 INCORP NEW AFP BRG C/R LINE 220 ENG
03 PRV TCTO ST: 17 OLD-PN: 4067220 PRV-PN: 4067220
04 CUR TCTO ST: 01 NEW-PN: CUR-PN: 4067220
05 ** TCTO TO CLOSED STATUS PROG. CEBU125 BY: SRAN: 4808
06 2J-F100-850 DC:0215461 INSP/REPL CLAMP 200/220/220E,F15,16
07 PRV TCTO ST: 17 OLD-PN: 4067220 PRV-PN: 4067220
08 CUR TCTO ST: 01 NEW-PN: CUR-PN: 4067220
94137 2108 01 ** TCTO TO CLOSED STATUS PROG. CEBU125 BY: SRAN: 4808
02 2J-F100-865 DC:0215900 INSP 5 BRG S/TUBE F100/220/220E,F15
03 PRV TCTO ST: 17 OLD-PN: 4067220 PRV-PN: 4067220
04 CUR TCTO ST: 02 NEW-PN: CUR-PN: 4067220
94196 1300 01 *
=====
Line 00000007 Col 001 132
Scroll ==> PAGE
CED042.BRE408.A10A
```

H9902834

Figure 3-326. E408 Offline Narrative History (Over 2 years old)

```

Menu Utilities Compilers Help
-----
BROWSE      CEJAS.SPF583.OUTLIST                               Line 00000007 Col 001 132
Command ==>                                         Scroll ==> CSR
CDB DATE/TIME: 15MAR99/1029          * * * * MANDATORY TIME MANAGED/CHANGED ITEMS * * * *      CED042.BRE409.A10A
REQUESTING ORGANIZATION: TILC        REQUESTERS CODE: STREL      REQUESTERS EXTENSION: 3365907
DATE FROM      DATE TO      CREW CHIEF      ORGANIZATION      SRAN DESCRIPTION      MDS      NHA SERIAL NR
-----
                                SERIAL NO      NOUN
                                GE0E470115      F101-GE102 ENGINE, TURBOFAN
* * * * * INSTALLED ITEMS DATA * * * * *
                                WORK UNIT
                                CODE
                                23Z00
* * * * *
SERIAL NR      PART NUMBER      NOUN      WUC      TLCC      LIFE      LIFE      NHA AGE
                                LIMIT      USED      AT INST
00FABP6129     5052M35G17      FAN FRAME      23DBB      EOTN      NONE      4544.4      3078.9
00FABFC013     9321M62G13      FRONT FRAME      23BBB      EOTN      NONE      2577.7      3078.9
00000W8994     9550M26G08      HPT NOZZLE ASSY      23FFA      EOTN      NONE      .0      3078.9
00PUR00018     9550M21G01      LPT NOZZLE STG 2      23GHA      EOTN      NONE      3221.6      1707.7
00MP0T0577     9550M14G04      HPC ROTOR ASSY      23DHA      EOTN      NONE      4201.1      3078.9
                                TACN      NONE      3986      2651
00TMTEH264     9550M58G22      HPT ROTOR ASSY      23GBA      EOTN      NONE      3043.6      3078.9
                                TACN      NONE      2677      2651
00WIA33575     9976M50G03      INLET GEARBOX      23AEA      EOTN      NONE      3078.9      1707.7
                                TACN      NONE      2653      1382
00ECDL0403     7103M99G06      CITS PROCESSOR/ECC      23LQA      EOTN      NONE      3202.3      3053.6
00MDAP4034     9959M70P01      #1 BEARING      23JAA      EOTN      NONE      3078.9      3078.9
00FAFP2208     9732M22P07      #2 BEARING      23JCA      EOTN      NONE      1371.2      3078.9
                                H9902835

```

Figure 3-327. E409 Mandatory Time Managed and/or Changed Items

```

Menu Utilities Compilers Help
-----
BROWSE      CEJAS.SPF547.OUTLIST                               Line 00000114 Col 001 132
Command ==>                                         Scroll ==> PAGE
1CDB DATE/TIME : 15MAR99/1352      * * * * AUTHORIZED EXCEPTION CODE DETAIL/SUMMARY * * * * .....CED042.BRE415.A10A
0REQUESTING ORGANIZATION:TILC      REQUESTERS CODE: STREL  REQUESTERS EXTENSION: 3365907
0REQUESTED                                REQ                REQUESTED AUTHORIZED
CII   NR          NOUN                      SRAN             EXCEPTION      CODE
AF10810          F108 ENGINE, TURBOFAN      2039                L
0* * * * * AUTHORIZED EXCEPTION CODE DATA BY SERIAL NUMBER * * * * *
0SERIAL NUMBER          PART NUMBER          AEC CODE          AEC DESCRIPTION

CF0E710174.....9995M60G01          L          LETTER
0<----- SUMMARY/DETAIL ----->
0AUTH.EXC.CODE          QUANTITY
0          L          1
0TOTALS:          1
***** Bottom of Data *****

```

H9902836

Figure 3-328. E415 Authorized Exception Codes Detail and/or Summary

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CEJAS.SPF591.OUTLIST                               Line 00000034 Col 001 132
Command ==>
03/15/99  10:51      SERIAL NUMBER LIMIT STATUS/HISTORY      PAGE    1      PCN: CED042.BRE440.A10A
REQUEST => CII: AF10810  TLCC: WOWB  SRAN: 6521  TIME-PERIOD: **ALL** TO **ALL**
          TLCC NOUN: 1750 BORESCOPE PG 2-A-011 CH 2  PART NOUN: F108 ENGINE, TURBOFAN
*****
//*****CURRENT DATA*****\\//*****REPORTED DATA*****\\
SRAN      S/N      TSN      ENG S/N  SRAN  USER  DATE  T/CC  TP  DUE TIME
6521  CF0E710202  04600.40
                                4621  CEJFP  93278  65   A   0005047
6521  CF0E710255  03830.10
                                6354  CEMTA  93013  65   A   0003767
6521  CF0E710399  03817.00
                                4621  CERH1  94003  65   A   0003704
                                4621  CERH1  94003  65   D   0000000
                                4621  CEJFP  93252  65   A   0003704
                                4621  CEJFP  93208  65   D   0000000
                                4621  CE1DR  93058  65   C   0002000
                                4621  CEJ10  91291  65   A   0001750
6521  CF0E710433  03631.80
                                4621  CERH1  94004  65   A   0003726
                                4621  CEJFP  93208  65   D   0000000
                                4621  CE1DR  93058  65   C   0002000
                                4621  CEJ10  91291  65   A   0001750

```

H9902837

Figure 3-329. E440 Serial Number Limit Status and History

CDB D/T: 05MAY98 0949 **TCTO MASTER APPLICABILITY RECORD** CED042.MRF000.A1SA
 CII: ATF3310 DATA CODE: 0212121 NOUN: TF33 ENGINE, TURBOFAN

TCTO NUMBER	TCTO TITLE	EST MNHRS	REQ K-P-T	SAFETY TCTO
2J-TF33-685	REPL OF #6 SCAVENGE LINE	2.0	N N N	N

QTY ITEMS AFFECTED	ECP NUMBER	RELEASE DATE	RESC DATE	TCTO TYPE	LEVEL MAINT	WHEN ACCOMP	IND LEVEL
178		15AUG1997	15AUG2012	8	C	7	2

TCTO(S) TO BE ACCOMPLISHED:

BEFORE/PRIOR (P)	WITH/CONCURRENT (C)	AFTER/SUBSEQUENT (S)
2J-TF33-681	2J-TF33-683	2J-TF33-686
2J-TF33-682	2J-TF33-684	2J-TF33-687

H9902838

Figure 3-330. F000 TCTO Master Applicability Record

CDB DATE/TIME : 07OCT99/1321 TCTO NO WITH APPLICABLE DATACODE AND CIIS CED042.BPF001.A10A

REQUESTING ORGANIZATION: TILC REQUESTERS CODE: CECA5 REQUESTERS EXTENSION: 3367550

REQUESTED TCTO: TCTO-NUMBER-1 TCTO-NUMBER-2 TCTO-NUMBER-3 TCTO-NUMBER-4 TCTO-NUMBER-5
 2J-F100(I)-539 2J-F110-597 2J-F101-595 2J-F101-1 2J-T100-806

TCTO NUMBER	DATA CODE	TCTO DESCRIPTION TITLE	TCTO RELEASE DATE	TCTO RECISION DATE	CII	TOTAL SERIAL NUMBER
2J-F100(I)-539	0214847	F/COM ASEAL, I/F/MOD100/200/220/220E	30081990	30082001	DF10030	3589
2J-F100(I)-539	0214847	F/COM ASEAL, I/F/MOD100/200/220/220E	30081990	30082001	PF1003A	2289
2J-F100(I)-539	0214847	F/COM ASEAL, I/F/MOD100/200/220/220E	30081990	30082001	PF10036	3060
2J-F100(I)-539	0214847	F/COM ASEAL, I/F/MOD100/200/220/220E	30081990	30082001	PF10037	3116
2J-F100(I)-539	0214847	F/COM ASEAL, I/F/MOD100/200/220/220E	30081990	30082001	PF10038	3442
2J-F100(I)-539	0214847	F/COM ASEAL, I/F/MOD100/200/220/220E	30081990	30082001	PF10039	3
2J-F110-597	0214909	TCTO NUMBER TAPE-RETIRED				
2J-F101-595	0216845	REPLACEMENT OF STAGE 1 FAN BLADE	31121997	01012004	HF10130	466
2J-F101-1		TCTO NUMBER NOT FOUND				
2J-T100-806		TCTO NUMBER NOT FOUND				

END OF REPORT

H9902839

Figure 3-331. F001 TCTO Number with Applicable Data Code and CII

CEMRF005 29JAN2001 0848 TCTO STATUS BY SERIAL NUMBER CED042.MRF005.A1SA
 CII: AF10810 SER NO: CF0E710101 LEVEL: OPT: COND CD: M SRAN: 6666 PG: 1
 NOUN: F108 ENGINE, TURBOFAN PART NUMBER: 9995M60G01
 SWAP: S=A240 L=A241 H=A205 G=A251 J=A265 N=A275 K=A277 P=A295 E=EA03

TCTO NUMBER	DATA CODE	TCTO TYPE	TCTO STATUS	PASS FAIL	RESC DATE	ACCOMP DATE	REQ KPT	LEVEL MAINT	EST MNHRS
2J-F108-524	0214420	8	01		23NOV2003		NNN	C	15.0
2J-F108-525	0214423	8	01		17OCT2003		NNN	C	25.0
2J-F108-539	0214995	8	04		30APR2001		NNN	C	6.5
2J-F108-539C	0215181	8	03		30APR2001		NNN	C	6.5
2J-F108-542	0216268	8	01		15AUG2000		YNN	C	2.0
2J-F108-543	0216302	8	01		27MAY1998		NNN	C	1.0
2J-F108-547	0216833	8	01		15MAY2006		NNN	C	8.0
2J-F108-553	0217414	8	03		15JUN2001		NYN	C	67.5
2J-F108-547C	0217424	8	02		15MAY2006		NNN	C	5.0

	O/I LEVEL QTY	MNHRS	DEPOT LEVEL QTY	MNHRS	TOTALS QTY	MNHRS
UNACCOMPLISHED	00000	0.0	00000	0.0	00000	0.0
ACCOMPLISHED	00009	46.9	00000	0.0	00009	46.9

NO MORE DATA ** PA1=FWD PF7=PREV PF2=TOP PF9=BOT

H9902840

Figure 3-332. F005 TCTO Status by Selected Serial Number

CDB DATE/TIME: 01MAR99 1127 * * * * TCTO MASTER APPLICABILITY RECORD * * * * PCN: CED042.BPF020.A10
REQUESTERS ORGANIZATION: TILC REQUESTERS CODE: CECAS REQUESTERS PHONE: 3367550
REQUESTED CII NUMBER: AT05610 NOUN: T56 ENGINE, TURBOPROP INDENTURE: 2

TCTO NUMBER	DATA	< - -	PART NUMBER	- - - - -	>	LEV	WHN	RELEASE	RESC	REQ	EST	EQUIP	TCTO	TCTO	USAF
	CODE	OLD		NEW		MA	ACC	DATE	DATE	K	P	T	MNHR	SPEC	TYPE CLASS MOD-NBR PCN-NBR
2J-T56-671	0215496	6870786				A	9	09JUL1992	17JUL1999	N	Y	N	74.0	3	IVA
		6870785													

TCTO TITLE DESCRIPTION OF CHANGE ECP-NUMBER CODE TCTO NUMBER S/N SERIAL NUMBER RANGE QTY ITEM

T56-A7B T/WHEEL REPLACEMENT 1 AD00100920 AD00100934 1782

AD00101485 AD00101683
AD00101782 AD00101782
AD00101955 AD00101977
AD00102035 AD00102085
AD00102189 AD00102192
AD00102641 AD00102641
AD00102688 AD00102699
AD00102721 AD00102721
AD00102821 AD00102891
AD00102926 AD00102926
AD00102968 AD00102968
AD00103098 AD00103433
AD00104127 AD00104727
AD00107645 AD00107695
AD00108422 AD00108472
AD00108435 AD00108435

TCTO NUMBER	DATA	< - -	PART NUMBER	- - - - -	>	LEV	WHN	RELEASE	RESC	REQ	EST	EQUIP	TCTO	TCTO	USAF
	CODE	OLD		NEW		MA	ACC	DATE	DATE	K	P	T	MNHR	SPEC	TYPE CLASS MOD-NBR PCN-NBR
2J-T56-672	0215839	6870785				A	5	18AUG1993	18AUG1999	Y	Y	N	3.5	3	IVA
		6870786													

TCTO TITLE DESCRIPTION OF CHANGE ECP-NUMBER CODE TCTO NUMBER S/N SERIAL NUMBER RANGE QTY ITEM

ENERGY ABSORBING RING,T56-A7B ENGS 1 AD00100917 AD00100919 1218

AD00100926 AD00100970
AD00101675 AD00101675
AD00101677 AD00101677
AD00101679 AD00101679
AD00101682 AD00101684

H9902841

Figure 3-333. F020 TCTO Master Applicability Record


```

CDB DATE/TIME: 07SEP00 1631          * * * * TCTO ACCOMPLISHMENT STATUS SUMMARY * * * *          CED042.BPF030.A10A PAGE 1
REQUESTERS ORGANIZATION: TILC          REQUESTERS CODE: CECA5          REQUESTERS          PHONE: 3367550

                                     REQ          SRAN          REQ          REQ          REQ  LEV
REQUESTED CII NUMBER: HF10130    NOUN: FAN ROTOR ASSY          IND          SRAN          DESCRIPTION  CMD CODE          NLA          OF  MAINT

                                     3          4661          DYESS AFB          N          O/I&DEP

DATA  RELEASE  RESC  LV TCTO  WHN  REQ  EST  QTY ITEM  QUANTITY OF ITEMS  ORGAN/INT  MNHRS  DEPOT MNHRS
TCTO NUMBER  CODE    DATE    DATE  MA TYPE  ACC  K P T  MNHR  AFFECTED  ACCMP  UNACC  % ACC  ACCMP  UNACC  ACCMP  UNACC
2J-F101-565  0215513  15MAR1992  15MAR1994  C  8    6  N N N  20.0  126    126    0  100.0  2441.1  0.0    0.0    0.0
2J-F101-566  0215514  31MAR1992  31MAR1994  C  8    6  N N N  8.0   126    126    0  100.0  965.5   0.0    0.0    0.0
2J-F101-567  0215531  15JAN1993  15JAN1995  C  8    6  Y N Y  88.0  127    127    0  100.0  10236.2  0.0    0.0    0.0
2J-F101-595  0216845  31DEC1997  01JAN2004  C  8    6  Y N N  8.0   129    50    79  38.7   921.1  632.0  0.0    0.0
2J-F101-604  0217865  15MAR2000  28FEB2002  C  8    6  N N N  1.5    35     5    30  14.2   46.0   45.0  0.0    0.0
2J-F101-605  0217866  15MAR2000  28FEB2002  C  8    6  N N N  2.0   129    20   109  15.5   513.4  218.0  0.0    0.0
*****TOTAL MANHOUR SUMMARY*****
MANHOURS RELEASED          MANHOURS NON-RELEASED          MANHOURS ACCOMPLISHED          MANHOURS UNACCOMPLISHED
16040.5                    0.0                            15123.3                        895.0
*****NOTE: LEVEL OF MAINTENANCE CODES 'A','B','G' AND 'H' DENOTE SAFETY TCTO'S.*****
*****NOTE: SERIAL NUMBERS CODED AS NOT APPLICABLE (22) ARE NOT INCLUDED IN ANY TOTALS OF ITEMS AFFECTED/MANHOURS*****

```

H9902843

Figure 3-334. F030 TCTO Accomplishment Status Summary

DATE: 12/01/98
TIME: 08:45:44

TCTO COMPLIANCE/NON COMPLIANCE QUANTITIES AND PERCENTAGES

PAGE: 1
CED042.BRF032.A1SA

CI: HF10170
DATA CODE: 0215962
TCTO NUMBER: 2J-F101-583
COMMAND: WORLDWIDE
SRAN: WORLDWIDE

SRAN	LOCATION	QUANTITY S/N LOADED	QUANTITY OPEN	QUANTITY CLOSED *	QUANTITY COMPLIED (01,02,03)	NOT APPLICABLE (22)	QUANTITY CANCELLED (04)	QUANTITY LOST (05)	PERCENT CLOSED *
UNKN	UNKN	8	8	0	0	0	0	0	0%
2039	TINKER AFB	52	13	39	39	0	0	0	75%
2805	EDWARDS AFB	16	2	14	14	0	0	0	88%
4661	DYESS 7 LSS	156	55	101	94	3	0	4	65%
4690	ELLSWORTH AFB	101	19	82	81	0	0	1	81%
4897	MT HOME 366 LSS	32	5	27	27	0	0	0	84%
6101	ANG-GA-ROBINS	37	4	33	33	0	0	0	89%
6151	ANG-KS-MCCONNEL	57	4	53	53	0	0	0	93%
9432	GE-EVENDALE	3	3	0	0	0	0	0	0%
TOTALS:		462	113	349	341	3	0	5	76%

TOTAL PERCENT COMPLETED: 76%

* TOTALS INCLUDE ALL SERIAL NUMBERS IN A CLOSED STATUS (01-05,22) WHICH INCLUDES COMPLIED WITH (01,02,03), NOT APPLICABLE (22), REQUIREMENT CANCELLED (04), AND/OR CODED AS A LOSS (05).

H9902844

Figure 3-335. F032 TCTO Compliance/Non-Compliance Quantities and Percentages

CDB DATE/TIME: 09SEP00 0835										* * * * TCTO STATUS REPORT * * * *										CED042.BPF035.A10A																			
																														PAGE: 001									
REQ ORGANIZATION: TILC										REQ USER ID: CECA5										REQ PHONE: 3367550										REQ OPTION: 1									
REQ CII: AF11B10										NOUN: F110-GE100B ENGINE, TURBOFAN										REQ DATA CODE: 0217894										REQ COMMAND:									
REQ SRAN: 5682										REQ STATUS OPTION: ALL SERIAL NUMBERS										REQ PART NUMBER:										REQ UNIT:									
REQ STATUS CODE:										REQ OWNERSHIP ACCT CODE:																													

		RELEASE				RESC		WHN		LEV		TCTO		REQ		EST		QTY		ITEMS		WEIGHT/		PASS/FAIL	
TCTO NUMBER		TCTO TITLE				DATE		DATE		ACC		MA		TYPE		K-P-T		MNHRS		AFFECTED		BALANCE		REQUIRED	
2J-F110-761		INSP GENERATOR NUT FOR PROP SEATING				31MAY2000		31MAY2001		3		H		B		N Y Y		4.5		756		N		Y	

		CURRENT		TCTO		STATUS		PASS		ACTUAL		ACCOMP		ACCOMP		ACCOMP		ACCOMP		NEW		AC		UNIT		ASSIGN					
SERIAL NUMBER		PART NUMBER		STATUS		DATE		FAIL		MNHRS		SRAN		SRAN		DESCRIPTION		CMD		CODE		DATE		PART NUMBER		CD		ID		BASE	
GE0E509129 9546M10G01 03 07JUN00 F 2.0 5682 AVIANO AB 0D A A 5682																															
GE0E509134 9546M10G01 03 30MAY00 P 6.0 5682 AVIANO AB 0D A A 5682																															
GE0E509197 9546M10G01 03 09JUN00 P 8.0 5682 AVIANO AB 0D A A 5682																															
GE0E509218 9546M10G01 03 03JUN00 P 2.0 5682 AVIANO AB 0D A A 5682																															
GE0E509858 9546M10G01 03 13JUN00 P 6.0 5682 AVIANO AB 0D A A 5682																															
GE0E509916 9546M10G01 03 03JUN00 P 2.0 5682 AVIANO AB 0D A A 5682																															
GE0E545145 9546M10G01 03 11JUN00 P 8.0 5682 AVIANO AB 0D A A 5682																															
GE0E545256 9546M10G01 03 30MAY00 P 6.0 5682 AVIANO AB 0D A A 5682																															
GE0E545413 9546M10G01 03 12JUN00 P 4.0 5682 AVIANO AB 0D A A 5682																															
GE0E545414 9546M10G01 03 07JUN00 P 8.0 5682 AVIANO AB 0D A A 5682																															
GE0E545417 9546M10G01 03 07JUN00 P 1.0 5682 AVIANO AB 0D A A 5682																															

															ACTUAL MANHOURS										TOTAL																																												
															QUANTITY OF ITEMS										PERCENT					INSPECTION					{01,02,03}					UNACCOMPLISHED																													
															CLOSED					PART					ACCOMP					UNACCOMPLISHED					CLOSED					PASS					FAIL					ACCOMPLISHED					PART					ACCOMP					MANHOURS				
ORGAN/INTER															11					0					0					100.0					10					1					53.0					0.0					0.0														
DEPOT															0					0					0					0.0					0					0					0.0					0.0					0.0														

***** COMPLETE *****															***** INCOMPLETE *****														
CODES 22 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21																													
TOTALS 0000 0000 0000 0011 0000																													
TOTAL UNITS COMPLETE 000011															TOTAL UNITS INCOMPLETE 000000 OI PERCENT COMP 100.0 DEP PERCENT COMP 0.0 AVG ACT HOURS 4.8														

* * * * END OF REPORT * * * *														
-------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

CDB DATE/TIME: 09SEP00 0830 * * * * TCTO STATUS REPORT * * * * CED042.BPF036.A10A
PAGE: 001

REQ ORGANIZATION: TILC REQ USER ID: CECA5 REQ PHONE: 3367550 REQ OPTION: 1
REQ CII: AF11B10 NOUN: F110-GE100B ENGINE, TURBOFAN REQ DATA CODE: 0217894 REQ COMMAND:
REQ SRAN: 5682 REQ STATUS OPTION: ALL SERIAL NUMBERS REQ PART NUMBER: REQ UNIT:
REQ STATUS CODE: REQ OWNERSHIP ACCT CODE:

TCTO NUMBER	TCTO TITLE	RELEASE DATE	RESC DATE	WHN	LEV	TCTO	REQ	EST	QTY	ITEMS	WEIGHT/	PASS/FAIL
		DATE	DATE	ACC	MA	TYPE	K-P-T	MNHRS	AFFECTED	BALANCE	REQUIRED	
2J-F110-761	INSP GENERATOR NUT FOR PROP SEATING	31MAY2000	31MAY2001	3	H	B	N Y Y	4.5	756	N	Y	

SERIAL NUMBER	CURRENT PART NUMBER	TCTO STATUS	PASS	ACTUAL	ENGINE/AIRCRAFT	AIRCRAFT	NEW	AC UNIT	ASSIGN
		STATUS	DATE	FAIL	MNHRS	NEXT HIGHER ASSY		CD	ID
GE0E509129	9546M10G01	03	07JUN00	F	2.0	F016C8800000532	F016C	A	A
GE0E509134	9546M10G01	03	30MAY00	P	6.0	F016C8800000425	F016C	A	A
GE0E509197	9546M10G01	03	09JUN00	P	8.0	SPARE	F016C	A	A
GE0E509218	9546M10G01	03	03JUN00	P	2.0	F016C8900002023	F016C	A	A
GE0E509858	9546M10G01	03	13JUN00	P	6.0	F016C8900002030	F016C	A	A
GE0E509916	9546M10G01	03	03JUN00	P	2.0	F016C8800000535	F016C	A	A
GE0E545145	9546M10G01	03	11JUN00	P	8.0	F016C8900002050	F016C	A	A
GE0E545256	9546M10G01	03	30MAY00	P	6.0	F016C8900002029	F016C	A	A
GE0E545413	9546M10G01	03	12JUN00	P	4.0	F016D9000000796	F016D	A	A
GE0E545414	9546M10G01	03	07JUN00	P	8.0	F016D8900002178	F016D	A	A
GE0E545417	9546M10G01	03	07JUN00	P	1.0	F016C8800000526	F016C	A	A

QUANTITY OF ITEMS										PERCENT			INSPECTION			ACTUAL MANHOURS (01,02,03)			TOTAL UNACCOMPLISHED		
CLOSED		PART	ACCOMP	UNACCOMPLISHED	CLOSED		PASS	FAIL	ACCOMPLISHED	PART	ACCOMP	MANHOURS									
ORGAN/INTER	11		0	0	100.0		10	1	53.0		0.0	0.0									
DEPOT	0		0	0	0.0		0	0	0.0		0.0	0.0									

***** COMPLETE ***** INCOMPLETE *****

CODES	22	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21		
TOTALS	0000	0000	0000	0011	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
TOTAL UNITS COMPLETE	11	TOTAL UNITS INCOMPLETE										0	OI	PERCENT	COMPI	100.0	DEP	PERCENT	COMP	0.0	AVG	ACT	HOURS	4.8

* * * * END OF REPORT * * * *

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Figure 3-337. F036 TCTO Status Report (NHA Data)

CDB DATE/TIME: 08NOV00 1308 * * * * TCTO STATUS BY SELECTED CII * * * * CED042.BPF037.A10A
PAGE: 001

REQUESTERS ORGANIZATION: TILC REQUESTERS CODE: CECAS REQUESTERS PHONE: 3367550
REQUESTED CII NUMBER: **AT05610** NOUN: T56 ENGINE, TURBOPROP REQUESTED SRAN: **5209** LEVEL INDICATOR: **BOTH**

TCTO NUMBER	TCTO TITLE	RELEASE DATE	RESC DATE	WHN ACC	LEV MA	TCTO TYPE	REQ K-P-T	EST MNHRS	QTY	ITEMS	WT/	PASS/FAIL	DATA
2J-T56-671	T56-A7B T/WHEEL REPLACEMENT	09JUL1992	17JUL1999	9	A	3	N Y N	74.0	1825	N		0215496	
	CURRENT	TCTO	STATUS	PASS	ACTUAL			AIRCRAFT	NEW	AC	UNIT	ASSIGN	
SERIAL NUMBER	PART NUMBER	STATUS	DATE	FAIL	MNHR	NEXT HIGHER ASSY	ENGINE/AIRCRAFT	MDS	PART NUMBER	CD	ID	BASE	
AD00100932	6870786	02	29APR97		74.0	C130E7200001299		C130E		A	A	5209	
AD00101977	6870786	02	24FEB98		.5	C130E6300007850		C130E		A	A	5209	
AD00102467	6870786	01	26JAN99		74.0	C130E6300007871		C130E		A	A	5209	
AD00105535	6870786	01	23APR99		.5	C130E6300007871		C130E		A	A	5209	
								ACTUAL MANHOURS		TOTAL			
								(01,02,03)		UNACCOMPLISHED			
	CLOSED	PART	ACCOMP	UNACCOMPLISHED		CLOSED	PASS	FAIL	ACCOMPLISHED	PART	ACCOMP	MANHOURS	
ORGAN/INTER	4		0	0		100.0	0	0	149.0		0.0	0.0	
DEPOT	0		0	0		0.0	0	0	0.0		0.0	0.0	
TOTAL UNITS COMPLETE	4	TOTAL UNITS INCOMPLETE	0	OI	PERCENT	COMP100.0	DEP	PERCENT	COMP	0.0	AVG ACT	HOURS	37.3

TCTO NUMBER	TCTO TITLE	RELEASE DATE	RESC DATE	WHN ACC	LEV MA	TCTO TYPE	REQ K-P-T	EST MNHRS	QTY	ITEMS	WT/	PASS/FAIL	DATA
2J-T56-672	ENERGY ABSORBING RING,T56-A7B ENGS	18AUG1993	18AUG1999	5	A	3	Y Y N	3.5	1191	N		0215839	
	CURRENT	TCTO	STATUS	PASS	ACTUAL			AIRCRAFT	NEW	AC	UNIT	ASSIGN	
SERIAL NUMBER	PART NUMBER	STATUS	DATE	FAIL	MNHR	NEXT HIGHER ASSY	ENGINE/AIRCRAFT	MDS	PART NUMBER	CD	ID	BASE	
AD00100929	6870786	01	14FEB95		3.5	SPARE		C130E		A	A	5209	
AD00100930	6870786	22	10DEC99		.0	SPARE		C130E		A	A	5209	
AD00100932	6870786	01	17JUN94		3.5	C130E7200001299		C130E		A	A	5209	
AD00101764	6870785	03	25JAN94		3.5	SPARE		C130E		A	A	5209	
AD00101816	6870785	01	22NOV93		6.0	C130E7200001290		C130E		A	A	5209	
AD00101818	6870785	01	29OCT93		133.4	C130E6300007821		C130E		A	A	5209	

H0102583

Figure 3-338. TCTO Status By Selected CII

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CDB DATE/TIME : 13MAY98/1545          * * * * * TCTO NON-COMPLIANCE REPORT * * * * *
REQUESTER'S ORGANIZATION: TILC          REQUESTER'S CODE: CECA5
REQ CII: AF10810      NOUN: F108 ENGINE, TURBOFAN      REQ DATA CODE: 0216833      TCTO NUMBER: 2J-F108-547
      SERIAL          STATUS  STATUS  NHA      NHA SERIAL  COND      LAST      LIFE      LIFE
      NUMBER          CODE    DATE    CII/MDS  NUMBER      SRAN  CODE  OVERHAUL  TLCC      USED      REMAINING
CF0E710253  9995M60G01      08    96266    KC135R    6100000313  6666  A
                                           FHRN      3591.4
                                           EOTN      4020.2
                                           MAJN      1653
                                           EG8N      9.59
                                           EG9N      0.37
                                           MINN      3876
                                           WOWA      3591.40      343.60
                                           WOWB      3591.40      654.60
                                           WOWI      3591.40      343.60
                                           WOWK      3591.40      438.60
                                           WOWS      3591.40      983.60
                                           WOWN      3591.40
CF0E710343  9995M60G01      08    96266    KC135R    6100000313  6666  A
                                           FHRN      3302.2
                                           EOTN      3666.0
                                           MAJN      1153
                                           EG8N      5.19
                                           EG9N      0.49
                                           MINN      2405
                                           WOWA      3302.20      342.80
                                           WOWB      3302.20      803.80

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***** END OF REPORT *****
***** DO42 JOB F040 INPUT *****
CII = AF10810
DATA CODE = 0216833
CATEGORY = 3
COMMAND =
SRAN = 6666

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H9902847

Figure 3-339. F040 TCTO Non-Compliance Report

CEMS F050 INQUIRY DEFINITION

TIME- 16:01 TODAY'S DATE- 00/05/30 JULIAN DATE- 00.151

CII- DF10060

SERIAL NUMBER- PW0L018027

LEVEL INDICATOR- (F-FIELD ONLY; D-DEPOT ONLY; BLANK-BOTH)

TCTO OPTION- (O-OPEN 06-21; C-CLOSED 01-05,22; BLANK-BOTH
W-WORKABLE 06,08,12,14 & 17)

TRANSFER- (BLANK FOR NORMAL OUTPUT; 'Y' FOR DATASET)

PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER TO CONTINUE

H9902848

Figure 3-340. F050 Inquiry Definition

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CDB DATE/TIME: 09SEP2000 1021          * * * * TCTO CONFIGURATION REPORT * * * *          PCN: CED042.BPF050.A10
REQUESTERS ORGANIZATION: TILC          REQUESTERS CODE: CECAS          REQUESTERS PHONE: 3367550
REQ CII   REQ S/N   NOUN                                REQ TCTO OPTION   REQ LEVEL OF MAINT   SRAN  CMD CD
DF10040   PW0C018025   F100 CORE ENGINE MODULE          ALL TCTOS          ORG/INTERMEDIATE   3028  0J

      RELEASE  RESCISSION AC TCTO  LEV  REQ  EST  TCTO  STATUS  PASS
TCTO NUMBER  DATA CODE  DATE      DATE  CD TYPE  MA  K P T  MNHRS  STATUS  DATE  FAIL  CII  SERIAL NUMBER

2J-F100229II-515  0215497  30JUL1993  30JUL2000  S  8    1  Y Y N    5.0  11    07OCT93    DF10040  PW0C018025
2J-F100229II-518  0215654  30AUG1994  15JAN2000  S  3    C  Y Y N    4.5  02    06APR99    DF10040  PW0C018025
2J-F100229II-526  0216172  01JAN1995  01JAN2000  S  8    C  N Y N    1.0  22    02APR99    DF10040  PW0C018025
2J-F100229II-531  0216315  15FEB1995  15FEB2001  S  8    C  N Y N    1.0  22    02APR99    DF10040  PW0C018025
2J-F100229II-532  0216320  30NOV1995  30NOV1999  S  8    1  Y Y N    .8   11    04APR96    DF10040  PW0C018025
2J-F100229II-534  0216339  27FEB1995  27FEB2000  S  8    C  N Y N    5.0  01    13JUN95    DF10040  PW0C018025
2J-F100229II-535  0216356  30APR1995  30APR2001  S  7    1  Y Y N   48.0  03    12JAN96    DF10040  PW0C018025
2J-F100229II-538  0216716  15MAR1996  15MAR2001  S  8    1  Y Y Y    1.0  01    25SEP97    DF10040  PW0C018025
2J-F100229II-557  0217449  15NOV1997  15NOV2004  S  8    1  Y Y N    1.0  11    04MAR98    DF10040  PW0C018025
2J-F100229II-558  0217471  08SEP1997  08SEP2000  S  7    1  Y Y N    2.0  01    13OCT99    DF10040  PW0C018025
2J-F100229II-560  0217486  01MAY1998  01MAY2001  S  7    1  Y Y N    6.6  01    06APR99    DF10040  PW0C018025
2J-F100229II-561  0217525  15OCT1998  15OCT2001  S  7    1  Y Y N    8.5  01    05APR99    DF10040  PW0C018025
2J-F100229II-562  0217652  28SEP1998  28SEP2000  S  8    1  N N N    1.0  03    19NOV98    DF10040  PW0C018025
2J-F100229VI-507  0215829  27FEB1995  27FEB2000  S  7    C  Y Y N    4.0  01    30JAN96    DF10050  PW0H018025
2J-F100229VI-511  0216341  27FEB1995  31JAN1999  S  8    C  N Y N    5.0  01    16JUN95    DF10050  PW0H018025
2J-F100229VI-514  0216566  15SEP1995  15SEP1997  S  7    1  N Y Y    1.0  03    11DEC95    DF10050  PW0H018025
2J-F100229VI-520  0217631  30JUN1998  30JUN1999  S  8    1  N N Y    4.5  01    31JAN99    P  DF10050  PW0H018025
2J-F100229VI-522  0217765  19FEB1999  19FEB2002  S  7    1  N N N    .1   01    02APR99    DF10050  PW0H018025
2J-F100229(VI)524  0217816  01SEP1999  01SEP2002  S  8    1  N Y N    1.0  14    27SEP99    DF10050  PW0H018025
2J-F100229(II)529  0216185  01JAN1995  01JAN2002  S  8    C  N Y Y    3.0  01    05APR95    PF1004T  0000WL3241

* * * END OF REPORT * * *

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H0001645

Figure 3-341. F050 TCTO Configuration Report

CDB DATE/TIME: 07APR99/1523 * * * * TCTO RESCISSION ALERT * * * * CED042.BPF065.A10A PAGE 1
 REQUESTERS ORGANIZATION: TILC REQUESTERS CODE: CECAS REQUESTERS PHONE: 3367550
 REQUESTED CII NUMBER: AF10010 NOUN: F100 ENGINE, TURBOFAN REQUESTED NUMBER OF DAYS TO RESCISSION: 090
 WORKABLE OPTION:

TCTO NUMBER	DATA CODE	RELEASE DATE	RESC DATE	DAYS TO RESCISSION	TCTO TITLE
2J-F100-804	0214591	30APR1990	30APR1997	(-) 707	REWORK DEEC SUP ASSY -220ENGF15/F16
2J-F100-905	0216796	15JUL1996	15JUL1997	(-) 631	INSPEC #5 PRES TUBE,220/220E,F15/16
2J-F100-850	0215461	15SEP1992	15SEP1997	(-) 569	INSP/REPL CLAMP 200/220/220E,F15/16
2J-F100-831C	0215823	15MAY1994	30SEP1997	(-) 554	RECLAMP CENC HARNESS220/220E,F15/16
2J-F100-831	0214850	30SEP1991	30NOV1997	(-) 493	RECLAMP CENC HARNES,220/220E,F15/16
2J-F100229-564	0216360	30NOV1995	30NOV1997	(-) 493	R&R N4 P/TUBE & INS SEAL,229,F15/16
2J-F100229-557	0216182	01JAN1995	01JAN1998	(-) 461	REPLACE EDU COOL TUBE,229,F15/16
2J-F100-911	0216968	13FEB1997	13FEB1998	(-) 418	INS H/SHIELD100/200/220/220E,F15/16
2J-F100-840	0215099	30JUL1991	30JUL1998	(-) 251	REWK AFP AV M/FOLD 100/200/220/220E
2J-F100229-545	0216053	15SEP1994	15SEP1998	(-) 204	R/R VARIOUS EXT TUBE&MAN,229,F15/16
2J-F100229-550	0216132	01NOV1994	01NOV1998	(-) 157	INSTALL FAN TIEBOLT ASSY,229,F15/16
2J-F100229-552	0216154	01NOV1994	01NOV1998	(-) 157	INSTALL C/BRK & ATCH HDW,229,F15/16
2J-F100229-583	0217495	11DEC1997	11DEC1998	(-) 117	R/R 26 EXTERNAL HOSES,229,F16
2J-F100-888	0216162	15JUN1995	15DEC1998	(-) 113	INC N5 BRG T/ASSY,200,220,220E/F16
2J-F100-888E	0216990	14FEB1997	15DEC1998	(-) 113	INCOR N5 B/P/T/ASY,200,220,220E,F16
2J-F100229-549	0216116	01JAN1995	01JAN1999	(-) 96	INS N5 BRG & SCAV TUBE 229,F15/16
2J-F100-833	0214872	31JAN1991	31JAN1999	(-) 66	NEW ENG ACCESS CABLES,100/200 ENG
2J-F100229-551	0216153	01NOV1994	01MAY1999	24	INSTALL CIVV TUBE,229,F15/16
2J-F100229-563	0216359	01MAY1995	01MAY1999	24	INSP,AUG S/MAN F/T BKT 229 F15/16
2J-F100229-577	0217000	01MAY1997	01MAY1999	24	INSPECT C/SPRAY RING M/FOLD,229,F16
2J-F100229-578	0217001	01MAY1997	01MAY1999	24	INSPECT C/SPRAY RING M/FOLD,229,F15
2J-F100-930	0217541	18JUN1998	18JUN1999	72	ENHANCE STALL AVOID. TRIM,100/200

NOTE: ASTERISKS ***** IN THE RESC DATE FIELD DENOTES A BLANK RESCISSION DATE. RESEARCH TO DETERMINE IF TCTO HAS BEEN RELEASED. IF TCTO HAS BEEN RELEASED, DETERMINE THE RELEASE DATE AND RESCISSION DATE AND ESTABLISH THESE DATES WITH A CHANGE TRANSACTION IN THE TCTO FILE MAINTENANCE JOB A415.

* * END OF REPORT * *

H9902849

Figure 3-342. F065 TCTO Rescission Alert

CDB DATE/TIME: 27APR00/1426 * * * * RETIRED TCTO REPORT BY SERIAL NUMBER * * * * CED042.BPF090.A10A
 REQUESTERS ORGANIZATION: TILC REQUESTERS CODE: CECA5 REQUESTERS PHONE: 3367550
 REQUESTED CII NUMBER: AF11010 NOUN: F110-GE100 ENGINE, TURBOFAN REQUESTED SERIAL NUMBER: GE0E509101

	DATA	TCTO	STATUS	PASS	ACCOMPLISHING	SRAN	CMD	ACTUAL
TCTO NUMBER	CODE	STATUS	DATE	FAIL	SRAN	DESCRIPTION	CODE	MANHRS
								000000
2J-F110-528	0214107	01	15NOV90		3020	SHEPPARD AFB	0J	1.0
2J-F110-630	0214996	22	20AUG96		3020	SHEPPARD AFB	0J	1.0
2J-F110-633	0214999	03	29MAR95	P	3020	SHEPPARD AFB	0J	1.0
2J-F110-637	0215105	01	30MAY96		3020	SHEPPARD AFB	0J	3.0
2J-F110-643	0215116	22	22FEB94		3020	SHEPPARD AFB	0J	3.0
2J-F110-659	0215172	01	26MAY92		3020	SHEPPARD AFB	0J	1.0
2J-F110-710	0216835	22	11JUL96		3020	SHEPPARD AFB	0J	1.0

H9902850

Figure 3-343. F090 Retired TCTO Report by Serial Number

CDB DATE/TIME: 06APR99 0932		* * * * RETIRED TCTO HISTORY - SUMMARY * * * *				CED042.BFF100.A10A		PAGE 1		
REQUESTERS ORGANIZATION: TILC		REQUESTORS CODE: CECA5		REQUESTORS		PHONE: 3367550				
REQUESTED CII NR	NOUN			INDENTURE		AIRCRAFT/ENGINE APPLICATION				
DF10060	F100 FAN DRIVE TURBINE MODULE			3		F015A				
						F015B				
						F015C				
						F015D				
						F016A				
						F016B				
						F016C				
						F016D				
						FMF015C				
						F015E				

		<- SERIAL NUMBER RANGE ->				<-QTY OF ITEMS ACCOMPLISHED->		<-MNHRS ACCOMPLISHED>		
TCTO NUMBER	DATA CODE	RELEASE DATE	RESC DATE	STARTING	ENDING	REQ KPT	ORG/INT	DEPOT	ORG/INT	DEPOT
2J-F100(III)-518	0213958	30SEP1987	30SEP1999	PW0LFC0085	PW0LFC0095	NYN	2835	0	16827.1	0.0
				PW0LFC0097	PW0LFC0105					
				PW0LFC0107	PW0LFC0108					
				PW0LFC0110	PW0LFC0114					
				PW0LFC0116	PW0LFC0116					
				PW0LFC0118	PW0LFC0119					
				PW0LFC0122	PW0LFC0124					
				PW0LFC0126	PW0LFC0139					
				PW0LFC0141	PW0LFC0142					
				PW0LFC0144	PW0LFC0159					
				PW0LFC0161	PW0LFC0162					
				PW0LFC0164	PW0LFC0168					
				PW0LFC0170	PW0LFC0170					
				PW0LFC0172	PW0LFC0175					
				PW0LFC0177	PW0LFC0183					
				PW0LFC0185	PW0LFC0198					
				PW0LFC0200	PW0LFC0202					
				PW0LFC0204	PW0LFC0206					
				PW0LFC0208	PW0LFC0208					
				PW0LFC0210	PW0LFC0212					
				PW0LFC0214	PW0LFC0214					
				PW0LFC0216	PW0LFC0218					

H9902851

Figure 3-344. F100 Retired TCTO History - Summary

CDB DATE/TIME : 12APR99/1341 ENGINE TCTO AFFECT ON MDS FLEET(1) CED042.BRF125.A10A
 REQUESTED CII: HT05660 REQUESTED DATA CODE: 0216595 REQUESTER: CECA5 ORGANIZATION: TILC PHONE: 3367550
 REQUESTED OPTIONS--- TCTO STATUS: O MDS: SRAN: COMMAND:
 TCTO NUMBER TCTO TITLE TYPE LEVEL ESTIMATED HOURS RELEASE DATE RECISION DATE
 2J-T56-673 REPLACEMENT OF T/ROTOR 8 1 56.0 18011996 18012000
 A/C
 A/C MDS SERIAL NUMBER SRAN COMMAND SERIAL NUMBER POSITION TSM SERIAL NUMBER STATUS STATUS
 C130B 6000000299 2373 IMM AD00104881 3 SAEPA5080 21 96131
 C130B 5800000734 2373 IMM AD00101996 1 00000A3327 21 96172
 C130B 5800000731 2373 IMM AD00104380 2 00000A3492 21 96172
 C130B 5800000731 2373 IMM AD00102381 4 000SAAD131 21 96131
 C130B 6000000299 2373 IMM AD00104343 2 T0056007B 000SA91023 21 96172
 C130B 5800000731 2373 IMM AD00102128 1 000SA82421 21 96172
 C130B 5800000734 2373 IMM AD00103064 3 00000A2268 21 96172
 C130B 5800000731 2373 IMM AD00104902 3 0000A3700B 21 96172
 C130E 6300007771 2520 1C AD00108448 2 SA93340003 21 96172
 C130B 5800000716 2841 1MK AD00101854 4 000SA83331 21 96172
 C130B 5800000716 2841 1MK AD00104854 3 00000A7453 21 96172
 C130B 5900001536 4417 OV AD00102978 2 000000A143 21 96131
 C130E 6200001855 4417 OV AD00108437 3 000000A450 21 96172
 AC130H 6900006574 4417 OV AD00113443 4 T0056001A 000A11595A 21 96131
 C130E 6200001855 4417 OV AD00104017 2 SA95198001 21 96172
 C130E 6300007898 4417 OV AD00104370 3 SA94010009 21 96172
 C130E 6300007898 4417 OV AD00103544 1 SA93106002 21 96172
 MC130P 6500000991 4422 OV AD00103333 3 00000A4644 21 96172
 C130H 7400002072 4433 1L AD00105649 3 00000A8763 21 96131
 C130B 5800000742 4433 1L AD00106942 1 00000A9654 21 96172
 C130B 6100002643 4433 1L AD00104126 4 T0056007B 00000SA142 21 96131
 C130E 6900006579 4433 1L AD00103890 1 SA92258004 21 96172
 C130E 6900006579 4433 1L AD00105010 4 SA93242003 21 96172
 C130E 6900006579 4433 1L AD00102648 3 SA94132001 21 96172
 C130E 6900006579 4433 1L AD00103074 2 SA94196001 21 96172
 MC130P 6600000220 4441 OV AD00103903 2 0000A15431 21 96131
 C130E 6300007836 4460 1C AD00102772 1 0000A1577A 21 96172
 C130E 6300007838 4460 OJ AD00101695 3 T0056001A 000SA92961 21 96172
 C130E 6400000519 4460 OJ AD00103402 1 T0056001A 000SA91951 21 96172
 C130E 6300007876 4460 1L AD00104016 1 T0056001A 000SA92692 21 96172
 C130E 6300007882 4460 OJ AD00103455 1 000SA82732 21 96172
 C130E 6300007806 4460 1C AD00105525 3 000SA82731 21 96172
 C130E 6400000513 4460 1C AD00103516 2 T0056001A 000SA81321 21 96172
 C130E 6300007808 4460 1L AD00104721 2 000SA81793 21 96131

***** Bottom of Data *****
 H9902852

Figure 3-345. F125 Engine TCTO Affect on MDS Fleet (1)

```

Menu    Utilities   Compilers   Help
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
BROWSE CEE$2.SPF936.OUTLIST
Command ==>

!!!!!!!!!!!!!!! UNCLASSIFIED SENSITIVE !!!!!!!!!!!!!!!

CDB DATE/TIME : 07NOV02/0741                                     PAGE      1
REQUESTOR: CEE$2                                           ENGINE TC TO AFFECT ON MDS FLEET(2)          CED042.BRFJ30.A10A
REQUESTED SORT OPTION: MDS/SERIAL NUMBER                    REQUESTOR ORGANIZATION : TILC                REQUESTOR PHONE: 3367550
REQUESTED SRAN: 4460                                       REQUESTED MD/MDS: F015B                     REQUESTED AC SERIAL NUMBER:
ENGINE ENGINE                                              REQUESTED COMMAND:
ITEM ITEM                                                  ITEM ITEM                                  DATA CODE LEVEL TYPE MANHRS EST REC STATUS
CII CII                                                    SERIAL NUMBER WPC POS CII                  TCTO NUMBER TMSM                                * * * OF REPORT * * * Bottom of Data *****
*** NO DATA FOR REQUESTED COMBINATION ***
*****

```

H9902854

Figure 3-346. F130 Engine TCTO Affect on MDS Fleet (2)

CDB DATE/TIME: 13APR99/1121 * * * * TCTO COMPLETION RATES FOR CII BY DATA CODE * * * *CED042.BPF165.A10A PAGE 1
 REQUESTERS ORGANIZATION: TILC REQUESTERS CODE: CECA5 REQUESTERS PHONE: 3367550
 REQUESTED CII NUMBER: AF10010 NOUN: F100 ENGINE, TURBOFAN REQ STARTING DATA CODE: 0216162

TCTO NUMBER	DATA CODE	RELEASE DATE	RESC DATE	LEV MA	QUANTITY OF ITEMS ACCOM	PERCENT UNACC	AVG ACTUAL MANHOURS	ESTIMATED MANHOURS	TOTAL UNACCOMP MANHOURS
*2J-F100-888	0216162	15JUN1995	15DEC1998	A	868	543 61.5	8.3	18.5	45.5
*2J-F100-888E	0216990	14FEB1997	15DEC1998	A	910	540 62.7	8.4	31.5	7,010.0
2J-F100-908	0216944	14MAR1997	14MAR2000	1	1360	652 67.5	0.8	20.5	3,327.0
LEVEL	UNACCOMPLISHED MANHOURS								
2	0.0								
B	0.0								
E	0.0								
D	0.0								
G	0.0								
SUMMARY OF ALL ORGANIZATIONAL/INTERMEDIATE LEVEL TCTOS									
LEVEL	UNACCOMPLISHED MANHOURS								
1	3,327.0								
A	7,055.5								
C	0.0								
F	0.0								
H	0.0								

NOTE: ASTERISK (*) DENOTES SAFETY T O
 *** END OF REPORT ***

H9902855

Figure 3-347. F165 TCTO Completion Rates for CII by Data Code

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.GP022BRW.ERRMSGM                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
12/14/98                      MONTHLY G100 ERROR MESSAGES                      PAGE 1
                              SORTED BY MSG-ID, CI, TMSM, SN
-----
  CI      TMSM      ENG SER NR AO CMD SRAN C  DESC  X-1  Y-1  DESC  X-2  Y-2  REM MSG  ERROR MESSAGE  MSG NR
                                LW      S      1      2
                                CN      T
-----
AF10010  F0100100  PW0E680695 L1 MTC 5688 R  B MO 19913 4602107  RAE  MO199 3360021  07L 101 SRAN NOT IN 100RSG  000036
AF10010  F0100100  PW0E681217 L8 MTC 5688 R  B MO 19913 4601523  RAE  MO199 1347015  23L 101 SRAN NOT IN 100RSG  000069
AF10010  F0100100A PW0E681474 F8 MTC 5606 R  B MO 19933 6502864  VAE  MO199 4006028  65L 101 SRAN NOT IN 100RSG  000084
AF10010  F0100100B PW0E681014 B8 MTC 5606 R  B MO 19910 9002325  VAE  MO199 1099023  25L 101 SRAN NOT IN 100RSG  000050
AF10010  F0100100C PW0E681005 L1 MTC 5688 R  B MO 19932 1802895  VAE  MO199 3230029  10M 101 SRAN NOT IN 100RSG  000049
AF10710  F0107101  WR00101004 CMB 4689 I  B MO 19923 5300634  TAE  MO20  000  00 101 SRAN NOT IN 100RSG  000454
AJ03310  J0033035  AD000075740 L1 LOG 4867 R  B MO 19872 4506945  VAE  MO198 7245069  48M 101 SRAN NOT IN 100RSG  000815
AJ03310  J0033035  AD000076144 F4 LOG 4867 R  B MO 19871 8106760  VAE  MO198 7209067  99L 101 SRAN NOT IN 100RSG  000816
AJ03310  J0033035  AD000086341 F1 LOG 4867 R  B MO 19873 6506672  VAE  MO198 8008066  79L 101 SRAN NOT IN 100RSG  000817
AJ05710  J0057059W PW00632555 B8 MTC 4689 R  B MO 19920 0103488  RAE  MO199 2001034  88L 101 SRAN NOT IN 100RSG  000823
AJ05710  J0057059W PW00634840 SAC 4689 I  B MO 19910 8803454  RAE  MO20  000  00 101 SRAN NOT IN 100RSG  000828
AJ06010  J0060003A PW00637080 G1 LOG 2041 R  B MO 19851 3300602  VAE  MO198 5141006  09M 101 SRAN NOT IN 100RSG  000829
AJ06010  J0060003A PW00637295 L2 LOG 3018 R  B MO 19853 3600677  RAE  MO198 5337006  77L 101 SRAN NOT IN 100RSG  000830
AJ06010  J0060003A PW00637346 L3 LOG 4857 R  B MO 19851 0804480  VAE  MO198 5129045  32M 101 SRAN NOT IN 100RSG  000831
AJ06010  J0060003A PW00637501 L1 LOG 2041 R  B MO 19840 0305509  TAE  MO198 4004055  09M 101 SRAN NOT IN 100RSG  000832

```

H9902856

Figure 3-348. G100-1 Monthly G100 Error Messages

```

Menu Utilities Compilers Help
-----
BROWSE      CE.GP022BRW.ERRMSGQ                               Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
01/06/99                                QUARTERLY G100 ERROR MESSAGES                                PAGE 1
                                         SORTED BY MSG-ID, CI, TMSM, SN
-----
  CI      TMSM      ENG SER NR AO CMD SRAN C  DESC  X-1  Y-1  DESC  X-2  Y-2  REM MSG  ERROR MESSAGE  MSG NR
              LW          S          1          2          3          4          5          6          7          8
              CN          T
-----
AF10010    F0100100    PW0E680695 L1 MTC 5688 R  B MO 19913 4602107  RAE MO199 3360021  07L 101 SRAN NOT IN 100RSG 000211
AF10010    F0100100    PW0E681217 L8 MTC 5688 R  B MO 19913 4601523  RAE MO199 1347015  23L 101 SRAN NOT IN 100RSG 000360
AF10010    F0100100A    PW0E681474 F8 MTC 5606 R  B MO 19933 6502864  VAE MO199 4006028  65L 101 SRAN NOT IN 100RSG 000434
AF10010    F0100100A    PW0E681474 F8 MTC 5606 R  B MO 19933 6502864  VAE MO199 4006028  65L 101 SRAN NOT IN 100RSG 000435
AF10010    F0100100B    PW0E681014 B8 MTC 5606 R  B MO 19910 9002325  VAE MO199 1099023  25L 101 SRAN NOT IN 100RSG 000284
AF10010    F0100100B    PW0E681014 B8 MTC 5606 R  B MO 19910 9002325  VAE MO199 1099023  25L 101 SRAN NOT IN 100RSG 000285
AF10010    F0100100C    PW0E681005 L1 MTC 5688 R  B MO 19932 1802895  VAE MO199 3230029  10M 101 SRAN NOT IN 100RSG 000283
AF10710    F0107101    WR00101004 CMB 4689 I  B MO 19923 5300634  TAE MO20 000 00 101 SRAN NOT IN 100RSG 002057
AJ03310    J0033035    AD000075740 L1 LOG 4867 R  B MO 19872 4506945  VAE MO198 7245069  48M 101 SRAN NOT IN 100RSG 003790
AJ03310    J0033035    AD000076144 F4 LOG 4867 R  B MO 19871 8106760  VAE MO198 7209067  99L 101 SRAN NOT IN 100RSG 003794
AJ03310    J0033035    AD000086341 F1 LOG 4867 R  B MO 19873 6506672  VAE MO198 8008066  79L 101 SRAN NOT IN 100RSG 003847
AJ05710    J0057059W    PW00632555 B8 MTC 4689 R  B MO 19920 0103488  RAE MO199 2001034  88L 101 SRAN NOT IN 100RSG 003930
AJ05710    J0057059W    PW00634840 SAC 4689 I  B MO 19910 8803454  RAE MO20 000 00 101 SRAN NOT IN 100RSG 003943
AJ06010    J0060003A    PW00637080 G1 LOG 2041 R  B MO 19851 3300602  VAE MO198 5141006  09M 101 SRAN NOT IN 100RSG 003964
AJ06010    J0060003A    PW00637295 L2 LOG 3018 R  B MO 19853 3600677  RAE MO198 5337006  77L 101 SRAN NOT IN 100RSG 003980

```

H9902857

Figure 3-349. G100-2 Quarterly G100 Error Messages


```

File Edit Confirm Menu Utilities Compilers Test Help
-----
VIEW          CE.GPG112.CM.REPORT                      Columns 00001 00124
Command ==>                                           Scroll ==> PAGE
***** ***** Top of Data *****
==MSG> -Warning- The UNDO command is not available until you change
==MSG>          your edit profile using the command RECOVERY ON.
000001 1PCN: CED042.BRG112.A1MQ      AIRCRAFT ENGINE BASE MAINTENANCE FAILURE RATE REPORT (CMD)    DATE/TIME: 990106 1420 PAG
000002 ACTUARIAL COMBINATION COMMAND          PERIOD
000003      F 100100      F 15              JAN 98 - DEC 98              QUARTER ENDING: DEC 98
000004 0  ENGINE      B/M      STAT      EXPOSURES      -----USAGE REMOVALS-----      ---REMOVAL RATES---      STAT
000005      AGE      OFR      TEST              ACTUAL      EXPECTED      PROJECTED      CRUDE      ADJUSTED      TEST
000006      0      .2133              .000      .00      .00      .0000
000007      50      .2133              .000      .00      .00      .0000
000008      100      .2133              .000      .00      .00      .0000
000009      150      .2133              .000      .00      .00      .0000
000010      200      .2133              .000      .00      .00      .0000
000011      250      .2133              .000      .00      .00      .0000
000012      300      .2133              .000      .00      .00      .0000
000013      350      .2133              .000      .00      .00      .0000
000014      400      .2133              .000      .00      .00      .0000
000015      450      .2133              .000      .00      .00      .0000
000016      500      .2133              .000      .00      .00      .0000
000017      550      .2133              .000      .00      .00      .0000
000018      600      .2133              .000      .00      .00      .0000
000019      650      .2133              .000      .00      .00      .0000
000020      700      .2133              .000      .00      .00      .0000

```

H9902858

Figure 3-350. G112 Base Maintenance Failure Rate Report

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.GP122BRW.CM                      Line 00000000 Col 001 132
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
PCN:  CED042.BRG122.A1MQ      AIRCRAFT ENGINE COMBINED FAILURE RATE REPORT (CMD)      DATE/TIME: 01/06/99 1422      PAGE: 1
ACTUARIAL COMBINATION  COMMAND
F 100100      F 15
ENGINE  COMB  STAT  EXPOSURES  PERIOD  QUARTER ENDING: DEC 98
AGE     OFR   TEST
0       .2155      .000      JAN 98 - DEC 98  ---REMOVAL RATES---  STAT
          .2155      .000      ACTUAL  EXPECTED  PROJECTED  CRUDE  ADJUSTED  TEST
50      .2155      .000      .00      .00      .0000      .0000
100     .2155      .000      .00      .00      .0000      .0000
150     .2155      .000      .00      .00      .0000      .0000
200     .2155      .000      .00      .00      .0000      .0000
250     .2155      .000      .00      .00      .0000      .0000
300     .2155      .000      .00      .00      .0000      .0000
350     .2155      .000      .00      .00      .0000      .0000
400     .2155      .000      .00      .00      .0000      .0000
450     .2155      .000      .00      .00      .0000      .0000
500     .2155      .000      .00      .00      .0000      .0000
550     .2155      .000      .00      .00      .0000      .0000
600     .2155      .000      .00      .00      .0000      .0000
650     .2155      .000      .00      .00      .0000      .0000
700     .2155      .000      .00      .00      .0000      .0000
750     .2155      .000      .00      .00      .0000      .0000
800     .2155      .000      .00      .00      .0000      .0000

```

H9902859

Figure 3-351. G122 Combined Failure Rate Report

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.GP132BRW.CM                      Line 00000000 Col 001 132
Command ==>                                     Scroll ==> PAGE
***** Top of Data *****
PCN:  CED042.BRG132.A1MQ      AIRCRAFT ENGINE OVERHAUL FAILURE RATE REPORT (CMD)  DATE/TIME: 01/06/99 1424  PAGE: 1
ACTUARIAL COMBINATION  COMMAND  PERIOD
F 100100  F 15  JAN 98 - DEC 98  QUARTER ENDING: DEC 98
ENGINE  O/H  STAT  EXPOSURES  -----USAGE REMOVALS-----  --REMOVAL RATES--  STAT  PERCENTAGE
AGE  OFR  TEST  ACTUAL  EXPECTED  PROJECTED  CRUDE  ADJUSTED  TEST  SURVIVE  FAIL  A.E.L.  A.L.R.
0  .0022  .000  .00  .00  .0000
50  .0022  .000  .00  .0000
100  .0022  .000  .00  .0000
150  .0022  .000  .00  .0000
200  .0022  .000  .00  .0000
250  .0022  .000  .00  .0000
300  .0022  .000  .00  .0000
350  .0022  .000  .00  .0000
400  .0022  .000  .00  .0000
450  .0022  .000  .00  .0000
500  .0022  .000  .00  .0000
550  .0022  .000  .00  .0000
600  .0022  .000  .00  .0000
650  .0022  .000  .00  .0000
700  .0022  .000  .00  .0000
750  .0022  .000  .00  .0000
800  .0022  .000  .00  .0000

```

H9902860

Figure 3-352. G132 Overhaul Failure Rate Report

```

File Edit Confirm Menu Utilities Compilers Test Help
-----
VIEW      CE.GPG142.WW.REPORT                      Columns 00001 00124
Command ==>                                         Scroll ==> PAGE
***** ***** Top of Data *****
==MSG> -Warning- The UNDO command is not available until you change
==MSG>          your edit profile using the command RECOVERY ON.
000001 1PCN: CED042.BRG142.B1MQ                AIRCRAFT ENGINE EXPOSURE REPORT (WW)    DATE/TIME: 01/06/99 1425    PAG
000002 ACTUARIAL COMBINATION                      QUARTER
000003 F 100100 F 15                            OCT - DEC 98
000004 0 ENGINE INST ACT SPARES                  -----OVERHAUL-----      -----BASE MAINTENANCE-----      ---COMBIN
000005 AGE EOP EOP EXPOSURES OFR USE MAXTIME OTHER OFR USE PE OTHER OFR
000006
000007 0 3 .000 .0022 .2133 .2155
000008 50 .000 .0022 .2133 .2155
000009 100 .000 .0022 .2133 .2155
000010 150 .000 .0022 .2133 .2155
000011 200 .400 .0022 .2133 .2155
000012 250 1 .180 .0022 .2133 .2155
000013 300 .000 .0022 .2133 .2155
000014 350 .000 .0022 .2133 .2155
000015 400 .000 .0022 .2133 .2155
000016 450 .000 .0022 .2133 .2155
000017 500 .000 .0022 .2133 .2155
000018 550 .000 .0022 .2133 .2155
000019 600 .000 .0022 .2133 .2155
000020 650 1 .300 .0022 .2133 .2155

```

H9902861

Figure 3-353. G142 Exposure Report

```

Menu Utilities Compilers Help
-----
BROWSE      CE.GP212BRW.REPORT                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
PCN: CED042.NPG212.AIMQ      INSTALLED AIRCRAFT ENGINE REPORT      DATE/TIME: 01/06/99 1428  PAGE: 1
ACTUARIAL COMBINATION
F 100100      F 15
  --REPORTED DESIGNATION--  CMD      ---INST ACTIVE---  USAGE REMOVALS      FLYING HRS DURING PERIOD      REMOVALS PER
ENGINE      AIRCRAFT      EOP      AVG AGE      O/H      B/M      COMB      TOTAL      AVERAGE      1000 HOURS
F0100100B      F015A      ANG      6      2891      0      0      0      291      45      .0000
      PAF      1      995
      TOTAL      7      2620      0      0      0      291      39      .0000
F0100100B      F015B      ANG      1      2722      0      0      0      50      50      .0000
      MTC      1      2432      0      0      0      18      18      .0000
      TOTAL      2      2577      0      0      0      68      34      .0000
F0100100B      F015C      ETC      2      4209      0      1      1      89      45      11.2360
      MTC      2
      TOTAL      2      4209      0      1      1      91      36      10.9890
F0100100C      F015A      ANG      181      474      38      38      9288      53      4.0913
      CMB      1      3492      13      13      .0000
      CON      2      484      57      29      .0000
      MTC      5      3178      78      10      38.4615
      TOTAL      189      32      0      41      41      9436      51      4.3451
F0100100C      F015B      ANG      26      3347      9      9      1287      50      6.9930
      CMB      2      3286      88      44      .0000
      MTC      13      2997      7      7      507      33      13.8067

```

H0902882

Figure 3-354. G212 Installed Engine Report

```

Menu  Utilities  Compilers  Help
-----
BROWSE      CE.GP221BRW.REPORT                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
PCN:  CED042.NPG221.A1MQ      FOREIGN OBJECT DAMAGE SUMMARY REPORT      DATE/TIME: 01/06/99 1430  PAGE: 1
ACTUARIAL COMBINATION
F 100100    F 15
OCT-DEC 98
CMD  SRAN      SRAN      GROSS REMOVALS      USAGE REMOVALS      FOD REMOVALS      FLYING      FOD RATE
      DSCRIP      O/H    B/M    COMB      O/H    B/M    COMB      O/H    B/M    COMB      HOURS      1000 HOURS
AFE  SPANGDAHLE AB  5621      3      3      1      1      0      0      0      810      .0000
* TOTAL      0      3      3      0      1      1      0      0      0      810      .0000
ANG  ANG-FL-JACKSON  6091      6      6      5      5      1852      .0000
      ANG NEW ORLEANS  6171      9      9      9      9      1244      .0000
      ANG-MA-OTIS      6202      8      8      6      6      1535      .0000
      ANG-MO-BRIDGE    6251     11     11     10     10      1699      .0000
      ANG-OR-PORTLAND  6371      7      7      4      4      2486      .8045
      ANG-OR-KINGSLEY  6372      9      9      9      9      687       .0000
      ANG-HI-HICKAM    6530      9      9      4      4      1518      .0000
* TOTAL      0     59     59      0     47     47      0      2      2     11021     .1815
CMB  EGLIN AFB      2823      29     29     22     22      10541     .0949
      LANGLEY 1 FW      4800     45     45     35     35      8301     .1205
      EGLIN AFB      4808      4      4      1      1      34       .0000
      NELLIS 57 FW      4852      0     74     74      0     57     57      0      2      2     19152     .1044
* TOTAL      0      0      0      0      0      0      0      0      0      57       .0000
CON  MCDONNELL-MO    9108
* TOTAL

```

H9902863

Figure 3-355. G221 Actuarial FOD Summary Report

```

Menu Utilities Compilers Help
-----
BROWSE      CE.GU232BRW.BASE                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
PCN: CED042.BRG232.A1MQ      AIRCRAFT ENGINE EXPERIENCE ANALYSIS REPORT (BASE)  DATE/TIME: 01/06/99 1432  PAGE: 1
ACTUARIAL COMBINATION
F 100100 F 15
QUARTER
OCT-DEC 98
-----FLYING HOURS-----
SRAN      SRAN  INST ACT  USAGE REMOVALS  PER  FLY  JEIM  PER REMOVAL  EXPECTED  ADJUSTED  CONTROL
DESCRIPTION  EOP  O/H  B/M  COMB  INSP  HRS  RATE  O/H  B/M  COMB  REMOVALS  EXPECTED  REMOVALS  FACTOR

SPANGDAHLEM AB 5621  29      1  1      810  1.000      810  810      3.49      2.55      -.775
AFE TOTAL      29      0  1  1      810  1.000      810  810      3.49      2.55

ANG-FL-JACKSON 6091  36      5  5      1852  1.000      370  370      7.98      5.82      -.183
ANG NEW ORLEANS 6171  32      9  9      1244  1.000      138  138      5.36      3.91      .848
ANG-MA-OTIS    6202  30      6  6      1535  1.000      256  256      6.62      4.83      .239
ANG-MO-BRIDGE  6251  32     10 10      1699  1.000      170  170      7.32      5.34      .737
ANG-OR-PORTLAND 6371  32      4  4      2486  1.000      622  622     10.72      7.81     -.953
ANG-OR-KINGSLEY 6372  17      9  9      687   1.000      76   76      2.96      2.16      1.140
ANG-HI-HICKAM  6530  40      4  4      1518  1.000      380  380      6.54      4.77     -.192
ANG TOTAL      219      0 47 47      11021 1.000      234  234     47.50     34.64

EGLIN AFB      2823  6      276
LANGLEY 1 FW    4800  129     10541 1.000      479  479     45.43     33.13     -1.186
EGLIN AFB      4808  109     8301  1.000      237  237     35.78     26.09      .753

```

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Figure 3-356. G232 Experience Analysis Report

```
Menu Utilities Compilers Help
-----
BROWSE      CEJAS.SPF517.OUTLIST                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> CSR
***** Top of Data *****
PCN:  CED042.NPG311.A1MQ      OC-ALC ACTUARIAL MASTER GROUPING TABLE LISTING      DATE/TIME:  99/03/04 3426      PAGE:    1
  ACTUARIAL COMBINATION
    F 101GE102 B 1
      REPORTED COMBINATION
        F0101102
        F0101102      B001B
PCN:  CED042.NPG311.A1MQ      OC-ALC ACTUARIAL MASTER GROUPING TABLE LISTING      DATE/TIME:  99/03/04 3426      PAGE:    2
  ACTUARIAL COMBINATION
    F 107 101 AGM86B
      REPORTED COMBINATION
        F0107101
        F0107101      AGM086B
        F0107101      AGM086C
PCN:  CED042.NPG311.A1MQ      OC-ALC ACTUARIAL MASTER GROUPING TABLE LISTING      DATE/TIME:  99/03/04 3426      PAGE:    3
  ACTUARIAL COMBINATION
    F 107 400 BGM109
      REPORTED COMBINATION
        F0107400
        F0107400      BGM109A
PCN:  CED042.NPG311.A1MQ      OC-ALC ACTUARIAL MASTER GROUPING TABLE LISTING      DATE/TIME:  99/03/04 3426      PAGE:    4
  ACTUARIAL COMBINATION
    F 108CF100KC135
      REPORTED COMBINATION
        F0108100
        F0108100      KC135R
        F0108100      KC135T
```

H9902866

Figure 3-357. G311 Master Grouping Table Listing


```

Menu Utilities Compilers Help
-----
BROWSE      CEJAS.SPF497.OUTLIST                               Line 00000382 Col 001 132
Command ==>                                         Scroll ==> PAGE
1PCN: CED042.BRG321.A1MQ      OKLAHOMA CITY OFFICIAL FAILURE RATE TABLE LISTING  DATE/TIME: 99/ 03/ 05 1436 PAGE: 1
ACTUARIAL COMBINATION      COMMAND      PRIME ALC
F 101GE102 B 1
0  MAX      SIZE OF      NR OF      NR OF QTRS      BASE PERIOD OF OFR      ----OFFICIAL----
   TIME      INTERVAL      INTERVALS      O/H  B/M  COMB      BEG  END      DI  JEIM RATE
   0          100          50          4    4    4          184  284      1.00 .093
0  -----OFR-----      -----OFR-----      -----OFR-----
   AGE      O/H      B/M      COMB      AGE      O/H      B/M      COMB      AGE      O/H      B/M      COMB
   0 .0091 .0009 .0100      1700 .0091 .0009 .0100      3400 .0091 .0009 .0100
   100 .0091 .0009 .0100      1800 .0091 .0009 .0100      3500 .0091 .0009 .0100
   200 .0091 .0009 .0100      1900 .0091 .0009 .0100      3600 .0091 .0009 .0100
   300 .0091 .0009 .0100      2000 .0091 .0009 .0100      3700 .0091 .0009 .0100
   400 .0091 .0009 .0100      2100 .0091 .0009 .0100      3800 .0091 .0009 .0100
   500 .0091 .0009 .0100      2200 .0091 .0009 .0100      3900 .0091 .0009 .0100
   600 .0091 .0009 .0100      2300 .0091 .0009 .0100      4000 .0091 .0009 .0100
   700 .0091 .0009 .0100      2400 .0091 .0009 .0100      4100 .0091 .0009 .0100
   800 .0091 .0009 .0100      2500 .0091 .0009 .0100      4200 .0091 .0009 .0100
   900 .0091 .0009 .0100      2600 .0091 .0009 .0100      4300 .0091 .0009 .0100
  1000 .0091 .0009 .0100      2700 .0091 .0009 .0100      4400 .0091 .0009 .0100
  1100 .0091 .0009 .0100      2800 .0091 .0009 .0100      4500 .0091 .0009 .0100
  1200 .0091 .0009 .0100      2900 .0091 .0009 .0100      4600 .0091 .0009 .0100
  1300 .0091 .0009 .0100      3000 .0091 .0009 .0100      4700 .0091 .0009 .0100

```

H9902867

Figure 3-358. G321 Official Failure Rate Table Listing

```

Menu Utilities Compilers Help
-----
BROWSE      CE.GP332BRW.REPORT                      Line 00000000 Col 001 132
Command ==>                                         Scroll ==> PAGE
***** Top of Data *****
PCN: CED042.NPG332.A1MQ      AIRCRAFT ENGINE ACTUARIAL LISTING      DATE/TIME: 01/06/99 1433  PAGE: 1
ACTUARIAL COMBINATION
QUARTER
OCT-DEC 98
REPORTED DESIGNATION  SRAN      SRAN  NR  PREV  LAST  MAJ  START  END  START  END  REMV  START  END  ENGINE      TIME  DATE  RCD
ENGINE      AIRCRAFT      DSCRP      O/H  B/M  O/H  CMD  TIME  TIME  CODE  CODE  CODE  DATE  DATE  SERIAL      LAST  LAST  DSCR
                                         AGCY                                         NUMBER      MAINT  O/H  CODE
TF0030103      F111D MCCLELLAN AFB  2049  8    3    2039 MTC    608    608    TA    TA          92363  92363  PW00658653    608  88006
TF0030103      F111D MCCLELLAN AFB  2049  6    2    2039 MTC    1093   1093    TA    TA          92363  92363  PW00658726   1093  86073
TF0033007A      C141C ANG-TN-MEMPHIS 6422  4    4    2039 ANG   17665   17727    VA    VA          98273  98365  PW00651163   17426  76355
TF0033007A      C141C ANG-TN-MEMPHIS 6422  6    3    2039 ANG   3446   3509    VA    VA          98273  98365  PW00651501    3210  91242
TF0033007A      C141C ANG-TN-MEMPHIS 6422  4    0    2039 ANG   2100   2163    VA    VA          98273  98365  PW00651566     0    92132
TF0033007A      C141C ANG-TN-MEMPHIS 6422  1   15    2039 ANG  24934   24996    VA    VA          98273  98365  PW00659810   21722  70352
TF0033102B      E008C JSTARS ROBINS  4827  0    0      CMB  54931   55065    VA    VA          98273  98365  PW00642281     0
TF0033102B      GE-MIAMI              7957  0    0      MTC  50977   50977    CF    CF          96235  96235  PW00642394     0
TF0033102B      E008C JSTARS ROBINS  4827  1    0   9131 CMB    256    305    VA    VA          98287  98365  PW00642489     0  96260
TF0033102B      E008C JSTARS ROBINS  4827  0    0      CMB  53671   53671    VA    LB          800    98273  98286  PW00642682     0      #
TF0033102B      JSTARS LAKE CHA      1987  0    0      CON  53589   53589    CB    CB          98174  98174  PW00643000     0
TF0033102B      WC135B GE-MIAMI       7957  6    0    2039 MTC   7769   7769    JF    JF          96293  96293  PW00643582     0  75132
TF0033102B      WC135B GE-MIAMI       7957  8    0    2039 MTC     3     3      JF    JF          96293  96293  PW00643654     0  92111
TF0033102B      WC135B GE-MIAMI       7957  6    1    2039 MTC   3164   3164    JF    JF          96293  96293  PW00643665   2332  84305
TF0033102B      WC135B GE-MIAMI       7957  5    1    2039 MTC   1136   1136    JF    JF          96293  96293  PW00643731   1111  85121
TF0033102B      E008C JSTARS ROBINS  4827  0    0      CMB  54943   55077    VA    VA          98273  98365  PW00643809     0

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Figure 3-359. G332 Actuarial Listing

```

File Edit Confirm Menu Utilities Compilers Test Help
-----
VIEW          CE.GPG341.M.REPORT                      Columns 00001 00124
Command ==>                                         Scroll ==> PAGE
***** ***** Top of Data *****
==MSG> -Warning- The UNDO command is not available until you change
==MSG>      your edit profile using the command RECOVERY ON.
000001 1 PCN: ' CED042.NPG341.A1MM                AIRCRAFT ENGINE REMOVAL AND LOSS REPORT (M)      DATE/TIME: 12/14/98 1420  PA
000002      ACTUARIAL COMBINATION                      MONTH
000003      F 100100      F 15                      NOV 98
000004 0
000005 0 REPORTED      DESIGNATION TRANS- REASON  NUMBER  REMOVAL  CMD  ---SRAN-BASE---  --SERIAL--  HOURS SINCE NR  PREV  LAST  DA
000006      ENGINE      AIRCRAFT  COND  RETURN  REMOVALS  REASON      DSCR      NR      NO      O/H  B/M O/H  B/M  O/H  REM
000007                                     TO O/H                                     AGENCY
000008 0 F0100100B      F015C  LB      800      ETC TYNDALL 325 4819  PW0E680355  4201  414  0  26      98
000009      LB      2  800      ETC TYNDALL 325 4819  PW0E681018  4215  497  0  25      98
000010 0      * TOTAL      2
000011 0 F0100100C      F015A  LB      800      ANG ANG NEW ORL 6171  PW0E682043  2732  108  0  13      98
000012      LB      804      CON MCDONNELL-M 9108  PW0E681306  2316  305  0  1      98
000013      LB      875      MTC ROBINS AFB 2065  PW0E680424  3558  238  0  31      98
000014      LB      4  875      MTC ROBINS AFB 2065  PW0E681115  3305  342  0  26      98
000015 0      LF      143      ANG ANG-OR-PORT 6371  PW0E682124  2648  336  0  17      98
000016      LF      156      ANG ANG NEW ORL 6171  PW0E680370  3770  166  0  34      98
000017      LF      156      ANG ANG NEW ORL 6171  PW0E680561  4002  447  0  4      98
000018      LF      195      ANG ANG-OR-KING 6372  PW0E680240  3639  296  0  37      98
000019      LF      197      ANG ANG NEW ORL 6171  PW0E680300  3924  190  0  12      98
000020      LF      197      ANG ANG-OR-KING 6372  PW0E680849  3304  294  0  3      98

```

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Figure 3-360. G341M Removal and Loss Report - Monthly

```

Menu Utilities Compilers Help
-----
BROWSE      CE.GP341BRW.Q                               Line 00000000 Col 001 132
Command ==>                                           Scroll ==> PAGE
***** Top of Data *****
PCN: CED042.NPG341.A1MQ      AIRCRAFT ENGINE REMOVAL AND LOSS REPORT (Q)      DATE/TIME: 01/06/99 1435      PAGE: 1
ACTUARIAL COMBINATION
F 100100      F 15
      QUARTER
      OCT-DEC 98
      PART I - DETAIL LIST
REPORTED  DESIGNATION  TRANS-  REASON  NUMBER  REMOVAL  CMD  ----SRAN-BASE----  --SERIAL--  HOURS  SINCE  NR  PREV  LAST  DATE  RCD
ENGINE    AIRCRAFT    COND   RETURN  REMOVALS  REASON   DSCR   NR          NO       O/H    B/M  O/H  B/M  O/H  REMOVED  DSCR
              TO O/H
F0100100   F015A    LL     9A       1      879    MTC MCDONNELL-M  9108  PW0E681364  2312   276   0    3          98279  #
* TOTAL
F0100100B  F015A    LF     1         1      880    ANG ANG-HI-HICK  6530  PW0E681990  2571   421   0   14          98275
              LF     2         2      880    ANG ANG-HI-HICK  6530  PW0E682029  3115   154   0   13          98339  #
* TOTAL
F0100100B  F015B    LF     1         1      878    MTC MCDONNELL-M  9108  PW0E681399  2429   308   0    9          98276
* TOTAL
F0100100B  F015C    LB     1         1      800    ETC TYNDALL 325 4819  PW0E680355  4201   414   0   26          98309
              LB     3         3      800    ETC TYNDALL 325 4819  PW0E681018  4206   488   0   25          98299
              LB     1         1      800    ETC TYNDALL 325 4819  PW0E681018  4215   497   0   25          98328
              MF     1         1      223    ETC TYNDALL 325 4819  PW0E680233  4985   412   0   18          98302
* TOTAL
F0100100B  F015D    LF     1         1      880    ETC TYNDALL 325 4819  PW0E680804  3028   308   0   15          98276  #
* TOTAL
F0100100C  F015A    LB     1         1      800    ANG ANG-MO-BRID  6251  PW0E680306  4331   337   0   38          98278

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H9902870

Figure 3-361. G341Q Removal and Loss Report - Quarterly

```

Menu Utilities Compilers Help
-----
BROWSE      CE.GP370001.EXTBACCT                               Line 00000000 Col 001 132
Command ==>                                                    Scroll ==> PAGE
***** Top of Data *****
A1B1CU F0100220E PW0E680648YD23Z000D0D A SL5587LAKENHEATH AB AR199900401000100223JF
A1B1DA F0100229A PW0E720052YG23Z000D0D A SL5587LAKENHEATH AB AR199900407000100224HF
A1B1CU F0100220A PW0E712004YF23Z000D0D A SL5587LAKENHEATH AB AR199900502000100227JF
A1B1CU F0100220A PW0E712007YF23Z000D0D A SL5587LAKENHEATH AB AR199900502000100231JB
A1B1CU F0100220A PW0E712174YF23Z000D0D A SL5587LAKENHEATH AB AR199900502000100234JB
A1B1CW F0100100C PW0E681342X623Z004Z4Z C SC6202ANG-MA-OTIS NR199900112000100044RA
A1B1CW F0100100C PW0E680515X623Z004Z4Z C SC6202ANG-MA-OTIS NR199900112000100045RA
A1B1CW F0100100C PW0E680403X623Z001C1CBA SC4800LANGLEY 1 FW AR199900506000100214FB
A1B1CW F0100100C PW0E681610X623Z001C1CBA SC4800LANGLEY 1 FW AR199900506000100215JF
A1B1CW F0100100C PW0E680423X623Z001C1CBA SC4800LANGLEY 1 FW AR199900506000100216HF
A1B1DC F0100229B PW0E721009YH23Z004Z4Z E SC6401ANG-SC-EASTOVERNR199900408000100044FB
A1B1DC F0100229B PW0E721009YH23Z004Z4Z E SC6401ANG-SC-EASTOVERNR199900416000100045VA
A1B1CR F0100220F PW0E703032YE23Z004Z4Z Y SC6022ANG-AZ-TUCSON NR199900422000100140LF
A1B1CR F0100220F PW0E703032YE23Z004Z4Z Y SC6022ANG-AZ-TUCSON NR199900422010100141JF
A1B1CU F0100220A PW0E712085YF23Z001C1CBA SC4897MT HOME 366 LSSAR199900507000100255JB
A1B1CP F0100220C PW0E719203YJ23Z001C1C A SC4897MT HOME 366 LSSAR199900507000100256JF
A1B1DC F0100229B PW0E721022YH23Z001C1C A SC4897MT HOME 366 LSSAR199900507000100257JB
A1B1DC F0100229B PW0E721030YH23Z001C1C A SC4897MT HOME 366 LSSAR199900507000100258JB
A1B1CP F0100220C PW0E719104YJ23Z001M1MFR SB2059KELLY AFB-DEPOTAR199900508000100236PL
A1B1CR F0100220F PW0E703301YE23Z001M1MFR SB2059KELLY AFB-DEPOTAR199900508000100237PL
A1B1CW F0100100C PW0E681817X623Z001C1C K SC4808EGLIN AFB AR199835216000100176FB
A1B1CR F0100220F PW0E703204YE23Z000J0J A SC4887LUKE 56 LSS AR199900507000100274JF

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H9902871

Figure 3-362. G370 F100 Base Account Plus Due Time

[illegible]

H9902872

Figure 3-363. G400 Actuarial Hour and/or Cycle Experience

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE100RSG	821	GROUP	1	821
10	KEY-RSG	4	GROUP	1	4
10	SRAN-BASE	4	X	1	4
05	BASE-DATA	298	GROUP	5	302
10	COMMAND-HOST	2	X	5	6
10	TYPE-FACILITY	1	X	7	7
10	ADDRESS-1	50	X	8	57
10	ADDRESS-2	50	X	58	107
10	ADDRESS-3	50	X	108	157
10	ADDRESS-4	50	X	158	207
10	ADDRESS-5	50	X	208	257
10	SRAN-DESCRIPTION	15	X	258	272
10	SRAN-DESCRIPTION-SUFFIX	10	X	273	282
10	AUTODIN-RI-MMICS	7	X	283	289
10	AUTODIN-RI-ENG-MGR	7	X	290	296
10	TRANSMISSION-METHOD	1	X	297	297
88	MMICS	VALUE 'M'			
88	CRT	VALUE 'C'			
88	AUTODIN	VALUE 'A'			
88	MAIL	VALUE 'P'			
88	RJP	VALUE 'B'			
88	MIXED	VALUE 'V'			
88	OTHERS	VALUE 'O'			
10	SPECIAL-SRAN-INDICATORS	5	GROUP	298	302
15	I-DECK-INDICATOR	1	X	298	298
88	I-DECK-REQUIRED	VALUE 'Y'			
15	CAMS-INDICATOR	1	X	299	299
88	CAMS-BASE	VALUE 'C'			
15	GO-LOC	1	X	300	300
15	FILLER	2	X	301	302
05	MMICS-INPUT-CONTROL	18	GROUP	303	320
10	LAST-SEQ-PROCESSED	7	X	303	309
10	LAST-SEQ-TO-PROCESS	7	X	310	316
10	STOP-CODE	4	X	317	320

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Figure 3-364. Data Base Format CE100RSG - 1 (Sheet of 1 of 3)

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
05	TELEPROCESSING-COUNTS	17	GROUP	321	337
10	TP-SEQ-NO	7	GROUP	321	327
15	TP-MO	2	N	321	322
15	TP-NO	5	N	323	327
10	TP-TRANS-CNT	5	N	328	332
10	TP-ERROR-CNT	5	N	333	337
05	PREVIOUS-MO-TP-COUNTS	17	GROUP	338	354
10	TP-SEQ-NO	7	GROUP	338	344
15	TP-MO	2	N	338	339
15	TP-NO	5	N	340	344
10	TP-TRANS-CNT	5	N	345	349
10	TP-ERROR-CNT	5	N	350	354
05	1534-DATA	179	GROUP	355	533
10	ENG-MGR	25	X	355	379
10	ALT-ENG-MGR	25	X	380	404
10	OFFICE-SYMBOL	8	X	405	412
10	DUTY-PHONE	30	X	413	442
10	GEO-AREA-CODE	4	X	443	446
10	SUB-AREA-WORLD	2	X	447	448
10	LOCATION-CD	1	X	449	449
88	CONTRACTOR-CONUS	VALUE 'A'			
88	ALC-CONUS	VALUE 'B'			
88	OP-BASE-CONUS	VALUE 'C'			
88	CONTRACTOR-O-SEA	VALUE 'J'			
88	ALC-O-SEA	VALUE 'K'			
88	OP-BASE-O-SEA	VALUE 'L'			
10	NR-T-REPORTS	4	N	450	453
10	CURRENT-MONTH	40	GROUP	454	493
15	MMICS-SEQ-NO	7	GROUP	454	460
20	SEQ-MO-CODE	2	X	454	455
20	SEQ-NO	5	X	456	460
15	A-CODE	1	X	461	461
15	NR-4-TYPE	4	N	462	465
15	NR-C-TYPE	4	N	466	469

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Figure 3-364. Data Base Format CE100RSG - 1 (Sheet of 2 of 3)

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
15	NR-D-TYPE	4	N	470	473
15	NR-V-TYPE	4	N	474	477
15	NR-BASE-CORRECTIONS	4	N	478	481
15	NR-RECON-TRANS	5	N	482	486
15	NR-NULL-TRANS	5	N	487	491
15	NR-ENG-MGR-LTR	2	N	492	493
10	PREVIOUS-MONTH	40	GROUP	494	533
15	MMICS-SEQ-NO	7	X	494	500
15	A-CODE	1	X	501	501
15	NR-4-TYPE	4	N	502	505
15	NR-C-TYPE	4	N	506	509
15	NR-D-TYPE	4	N	510	513
15	NR-V-TYPE	4	N	514	517
15	NR-BASE-CORRECTIONS	4	N	518	521
15	NR-RECON-TRANS	5	N	522	526
15	NR-NULL-TRANS	5	N	527	531
15	NR-ENG-MGR-LTR	2	N	532	533
05	TECHNICIANS-CD	2	X	534	535
05	TECHNICIANS-NAME	25	X	536	560
05	TECHNICIANS-PHONE	15	X	561	575
05	RECEIPT-DATE	7	X	576	582
05	TECHNICIANS-EMAIL	30	X	583	612
05	TECHNICIANS-DSN	8	X	613	620
05	COMMERCIAL-FAX	15	X	621	635
05	DSN-FAX	8	X	636	643
05	ENG-MGR-DSN	8	X	644	651
05	ENG-MGR-EMAIL	50	X	652	701
05	ENG-MGR-EXT	12	X	702	713
05	ENG-MGR-COMMERCIAL-FAX	15	X	714	728
05	ENG-MGR-DSN-FAX	8	X	729	736
05	ALT-ENG-MGR-DSN	8	X	737	744
05	ALT-ENG-MGR-EMAIL	50	X	745	794
05	ALT-ENG-MGR-PHONE	15	X	795	809
05	ALT-ENG-MGR-EXT	12	X	810	821

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Figure 3-364. Data Base Format CE100RSG - 1 (Sheet of 3 of 3)

CE102RSG

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE102RSG	688	GROUP	1	688
10	SEGMENT-LENGTH	(4) 2	SC	1	2
10	KEY-RSG	17	GROUP	3	19
20	CI	7	GROUP	3	9
30	CI-TYPE	1	X	3	3
88	ENGINE-CI	VALUE 'A'			
88	ASSEMBLY	VALUE (MULTIPLE VALUES)			
88	ACCESSORY-CI	VALUE 'L'			
88	COMPONENT-CI	VALUE 'P'			
88	BLADE-SET-CI	VALUE 'S'			
88	ACCOUNTABLE	VALUE 'A'			
30	TYPE-MODEL	4	X	4	7
30	ASSEMBLY-ID	1	X	8	8
30	COMPONENT-ID	1	X	9	9
20	SERIAL-NO	10	X	10	19
10	ITEM-DATA	195	GROUP	20	214
20	PART-NO	15	X	20	34
20	ITEM-TYPE	1	X	35	35
88	ENGINE	VALUE 'E'			
88	MODULE	VALUE 'M'			
88	ACCESSORY	VALUE 'A'			
88	COMPONENT	VALUE 'C'			
88	SUB-ASSEMBLY	VALUE 'S'			
88	1534-REPORTABLE	VALUE 'E'			
88	BLADE-SET	VALUE 'B'			
20	SERVICE-STATUS	1	X	36	36
88	INSTALLED	VALUE 'M'			
88	SPARE	VALUE 'S'			
20	INDENTURE-LEVEL	1	X	37	37
20	TRACKING-LEVEL	1	X	38	38
88	CDB-ONLY	VALUE 'C'			
88	BASE-CDB	VALUE 'B'			
20	RECON-CODE-CONFIGURATION	2	X	39	40

CE102RSG

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Figure 3-365. Data Base Format CE102RSG - 1 (Sheet of 1 of 5)

CE102RSG

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
20	COMPLETE-ASSEMBLY-IND	1	X	41	41
88	COMPLETE-ASSM	VALUE 'C'			
88	POSSIBLE-MISSING	VALUE 'M'			
20	RECON-CODE-TCTO	1	X	42	42
20	SRAN-BASE	4	X	43	46
20	LOCATION-CD	1	X	47	47
20	COMMAND	3	GROUP	48	50
30	MAJOR	2	X	48	49
30	SUB-COMMAND	1	X	50	50
20	OWNING-ORGANIZATION	1	X	51	51
20	SPECIAL-STATUS-CD	3	X	52	54
20	AUTHORIZED-EXCEPT-CD	1	X	55	55
20	LAST-UPDATE-KEY	5	N	56	60
20	LAST-1534-DATA	20	GROUP	61	80
25	DATE-OF-TRANS-CEN	7	GROUP	61	67
30	1534-CENTURY	2	X	61	62
30	DATE-OF-TRANS	5	X	63	67
25	MMICS-SEQ-NO	7	X	68	74
25	MMICS-SEQ-CODE	1	N	75	75
25	TRANS-CONDITION-CD	2	GROUP	76	77
30	TRAN-CD	1	X	76	76
30	COND-CD	1	X	77	77
25	TYPE-REPORT	1	X	78	78
25	OWNERSHIP-ACCT-CD	1	X	79	79
25	LOSS-CD	1	X	80	80
88	PERMANENT	VALUE 'P'			
88	TEMPORARY	VALUE 'T'			
20	LAST-STATUS	46	GROUP	81	126
30	TO-OR-FROM-COMMAND	2	X	81	82
30	TO-OR-FROM-SRAN	4	X	83	86
30	TYPE-CONTAINER	4	X	87	90
30	TRANSP-CNTL-NO	15	X	91	105
30	DOCUMENT-NO	15	X	106	120

CE102RSG

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Figure 3-365. Data Base Format CE102RSG - 1 (Sheet of 2 of 5)

CE102RSG

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
30	SECURITY-ASST-PROG	6	X	121	126
20	LAST-ACTION	18	GROUP	127	144
30	ACTION-DAY-TIME	11	GROUP	127	137
35	DATE-OF-TRANS-CEN	7	GROUP	127	133
40	LA-CENTURY	2	X	127	128
40	DATE-OF-TRANS	5	X	129	133
35	TIME-OF-TRANS	4	X	134	137
30	MMICS-SEQ-NO	7	X	138	144
20	LAST-BASE-MAINT	9	GROUP	145	153
30	ENGINE-OR-FLY-TIME	5	N	145	149
30	NUMBER-OF-BASE-MTS	4	N	150	153
20	LAST-DEPOT-VISIT	15	GROUP	154	168
25	DATE-OF-TRANS-CEN	7	GROUP	154	160
30	LD-CENTURY	2	X	154	155
30	DATE-OF-TRANS	5	X	156	160
25	DEPOT-SRAN	4	X	161	164
25	TYPE-MAINT	1	X	165	165
25	NUMBER-OF-OCMS	3	N	166	168
20	LAST-OVERHAUL	16	GROUP	169	184
25	DATE-OF-TRANS-CEN	7	GROUP	169	175
30	LO-CENTURY	2	X	169	170
30	DATE-OF-TRANS	5	X	171	175
25	DEPOT-SRAN	4	X	176	179
25	NUMBER-OF-OVHLS	3	N	180	182
25	OVERHAUL-RETURN-REASON	2	X	183	184
20	LOST-FILE-IND	1	X	185	185
88	WRITTEN	VALUE 'W'			
20	PENDING-OVERHAUL	2	GROUP	186	187
30	OVERHAUL-RETURN-REASON	2	X	186	187
20	CONDEMN-FLAG	1	X	188	188
88	ACTIVE	VALUE ' '			
88	CONDEMNED	VALUE (MULTIPLE VALUES)			
88	RETIRED	VALUE 'Y'			

CE102RSG

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Figure 3-365. Data Base Format CE102RSG - 1 (Sheet of 3 of 5)

CE102RSG

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
20	ENGINE-ID	2	X	189	190
20	WUC	5	X	191	195
20	TMSM	12	X	196	207
20	AIRCRAFT-MDS	7	X	208	214
10	CONFIGURATION-DATA	162	GROUP	215	376
20	NEXT-HIGHER-ASSEMBLY	39	GROUP	215	253
30	NHA-CI	7	X	215	221
30	NHA-SN	10	X	222	231
30	NHA-PN	15	X	232	246
30	NHA-DESIG	7	X	247	253
20	ENGINE-SERIAL	17	GROUP	254	270
30	TARGET-ENGINE-TMSM	12	X	254	265
30	ENGINE-ASSEMBLY-IND	5	X	266	270
88	NOT-ON-ENGINE	VALUE 'OFF**'			
20	ENGINE-POSITION	1	X	271	271
20	NLA-MASK	80	GROUP	272	351
30	NLA-COUNT OCCURS 40 TIMES TO 351	2	N	272	273
20	LAST-REMOVED	14	GROUP	352	365
25	DATE-OF-TRANS-CEN	7	GROUP	352	358
30	LR-CENTURY	2	X	352	353
30	DATE-OF-TRANS	5	X	354	358
25	TIME-OF-TRANS	4	X	359	362
25	REMOVAL-REASON	3	X	363	365
20	LAST-INSTALLED	11	GROUP	366	376
25	DATE-OF-TRANS-CEN	7	GROUP	366	372
30	LI-CENTURY	2	X	366	367
30	DATE-OF-TRANS	5	X	368	372
25	TIME-OF-TRANS	4	X	373	376
10	NO-TRACKING-METHODS	(2) 2	SC	377	378
10	AGE-AREA	310	GROUP	379	688
20	AGE-FACTORS OCCURS 17 TIMES TO 684	18	GROUP	379	396
30	CATALOG-NO	2	X	379	380

CE102RSG

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Figure 3-365. Data Base Format CE102RSG - 1 (Sheet of 4 of 5)

CE102RSG

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
30	TSN-AT-INST	(7) 4	SC3	381	384
30	ENGINE-TSN-AT-INST	(7) 4	SC3	385	388
30	TSN-AT-OCM	(7) 4	SC3	389	392
30	TSN-AT-OVERHAUL	(7) 4	SC3	393	396
20	FILLER	4	X	685	688

CE102RSG

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Figure 3-365. Data Base Format CE102RSG - 1 (Sheet of 5 of 5)

CE 102110

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE 102110	17	GROUP	1	17
10	KEY-CE 102110	17	GROUP	1	17
20	NLA-CI	7	X	1	7
20	NLA-SN	10	X	8	17

CE 102110

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Figure 3-366. Data Base Format CE102110

CE102120

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE102120	339	GROUP	1	339
10	SEGMENT-LENGTH	(4) 2	SC	1	2
10	KEY-CE102120	11	GROUP	3	13
15	DAY-REMOVED-CEN	7	GROUP	3	9
20	CENT-REMOVED	2	GROUP	3	4
30	NUM-CENT	2	N	3	4
20	DAY-REMOVED	5	GROUP	5	9
30	NUM-DAY	5	N	5	9
15	TIME-REMOVED	4	GROUP	10	13
20	NUM-TIME	4	N	10	13
10	HISTORY	326	GROUP	14	339
15	REMOVAL-REASON	3	X	14	16
15	DAY-INSTALLED-CEN	7	GROUP	17	23
20	CENT-INSTALLED	2	X	17	18
20	DAY-INSTALLED	5	X	19	23
15	OVERHAUL-RETURN-REASON	2	X	24	25
15	FILLER	1	X	26	26
15	SRAN-BASE	4	X	27	30
15	COMMAND	3	GROUP	31	33
20	MAJOR	2	X	31	32
20	SUB-COMMAND	1	X	33	33
15	TRANS-CONDITION-CD	2	GROUP	34	35
20	TRAN-CD	1	X	34	34
20	COND-CD	1	X	35	35
15	MMICS-SEQ-NO	7	X	36	42
15	TYPE-REPORT	1	X	43	43
15	NHA	39	GROUP	44	82
20	CI	7	X	44	50
20	SN	10	X	51	60
20	PN	15	X	61	75
20	NHA-DESIG	7	X	76	82
15	PART-NO	15	X	83	97
15	REMOVAL-NO-TRACK-METHODS	(2) 2	SC	98	99

CE102120

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Figure 3-367. Data Base Format CE102120 - 1 (Sheet of 1 of 2)

CE102120

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
15	AGE-FACTORS OCCURS 17 TIMES TO 337	14	GROUP	100	113
20	CATALOG-NO	2	X	100	101
20	TSN-AT-INST	(7) 4	C3	102	105
20	TSN-AT-REMOVAL	(7) 4	C3	106	109
20	NHA-TSN	(7) 4	C3	110	113
15	FILLER	2	X	338	339

CE102120

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Figure 3-367. Data Base Format CE102120 - 1 (Sheet of 2 of 2)

CE102130

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE102130	188	GROUP	1	188
10	SEGMENT-LENGTH	(4) 2	SC	1	2
10	KEY-CE102130	5	GROUP	3	7
20	UPDATE-KEY	5	N	3	7
10	DATE-PROCESSED-CEN	7	GROUP	8	14
20	CENT-PROCESSED	2	X	8	9
20	DATE-PROCESSED	5	X	10	14
10	DATE-OF-TRANS-CEN	7	GROUP	15	21
20	CENT-DATE-OF-TRANS	2	X	15	16
20	DATE-OF-TRANS	5	X	17	21
10	TIME-OF-TRANS	(4) 2	C	22	23
10	TYPE-REPORT	1	X	24	24
10	OWNING-ORGANIZATION	1	X	25	25
10	SRAN-BASE	4	X	26	29
10	COMMAND	2	X	30	31
10	AIRCRAFT-MDS	7	X	32	38
10	AIRCRAFT-SERIAL	10	X	39	48
10	EHR-SN	10	X	49	58
10	TRANS-CONDITION-CD	2	GROUP	59	60
20	TRAN-CD	1	X	59	59
20	COND-CD	1	X	60	60
10	MMICS-SEQ-NO	7	X	61	67
10	ENGINE-OPERATION-MODE	1	X	68	68
10	ENGINE-POSITION	1	X	69	69
10	MISSION-PROFILE-CD	5	X	70	74
10	TERMINAL-ID	8	X	75	82
10	UPDATE-NUM-TRACK-METHODS	(2) 2	SC	83	84
10	UPDATE-TRACK-METHODS	102	GROUP	85	186
15	UPDATE-PARAMETERS OCCURS 17 TIMES TO 186	6	GROUP	85	90
20	CATALOG-NO	2	X	85	86
20	CATALOG-VALUE	(7) 4	C3	87	90
10	FILLER	2	X	187	188

CE102130

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Figure 3-368. Data Base Format CE102130

CE102140

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE102140	148	GROUP	1	148
10	KEY-CE102140	8	GROUP	1	8
20	TCTO-DATA-CODE	7	X	1	7
20	MODEL-CODE	1	X	8	8
10	CURRENT-STAT-CD	2	X	9	10
10	CURRENT-STAT-DATE-CEN	7	GROUP	11	17
15	CCC-JUL	2	N	11	12
15	CURRENT-STAT-DATE	5	GROUP	13	17
20	CYY-JUL	2	N	13	14
20	CDDD-JUL	3	N	15	17
10	PREV-STAT-CD	2	X	18	19
10	PREV-STAT-DATE-CEN	7	GROUP	20	26
15	PCC-JUL	2	N	20	21
15	PREV-STAT-DATE	5	GROUP	22	26
20	PYY-JUL	2	N	22	23
20	PDDD-JUL	3	N	24	26
10	NEW-PART-NO	15	X	27	41
10	OLD-PART-NO	15	X	42	56
10	ACCOMP-COMMAND	2	X	57	58
10	ACCOMP-BASE	4	X	59	62
10	ACTUAL-MANHRS	5	GROUP	63	67
20	ACT-HRS-NUM PIC 9(4)V9	5	NE	63	67
10	ESTIMATED-HOURS	5	GROUP	68	72
20	ESTIM-HRS PIC 9(4)V9	5	NE	68	72
10	KPT	1	X	73	73
10	SAFE-ID	1	X	74	74
10	LEVEL-ACCOMP	1	X	75	75
10	TCTO-TYPE	1	X	76	76
10	TCTO-NO	17	X	77	93
10	ACC-CODE	1	X	94	94
10	KLD-102S14	1	X	95	95
10	KPT-102S14	3	GROUP	96	98

CE102140

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Figure 3-369. Data Base Format CE102140 - 1 (Sheet of 1 of 2)

CE102140

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
20	KITS-102S14	1	X	96	96
20	PARTS-102S14	1	X	97	97
20	TOOLS-102S14	1	X	98	98
10	DATE-RECD-Y	1	X	99	99
10	CAT-102S14	1	X	100	100
10	FILLER	1	X	101	101
10	S14STRUCT	1	X	102	102
10	TP-SEQ-NO	7	X	103	109
10	TERMINAL-ID	8	X	110	117
10	TP-FLAG	1	X	118	118
10	AUTHORIZED-EXCEPT-CD	1	X	119	119
10	MMICS-SEQ-NO	7	X	120	126
10	BATCH-FLAG	1	X	127	127
10	RET-FLAG	1	X	128	128
88	READY-RETIRE	VALUE '1'			
88	RETIRED	VALUE '2'			
88	RESCINDED	VALUE '3'			
88	TAPE-READY	VALUE '4'			
88	TAPE-RETIRED	VALUE '5'			
10	WORK-CENTER	5	X	129	133
10	WORK-ORDER-NO	8	X	134	141
10	WHEN-TO-ACCOMPLISH-DATE-CEN	7	GROUP	142	148
20	WHEN-TO-ACCOMPLISH-DATE-CC	2	X	142	143
20	WHEN-TO-ACCOMPLISH-DATE	5	X	144	148

CE102140

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Figure 3-369. Data Base Format CE102140 - 1 (Sheet of 2 of 2)

CE102150

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE102150	130	GROUP	1	130
10	KEY-CE102150	15	GROUP	1	15
20	DATE-OF-TRANS-CEN	7	GROUP	1	7
25	CENTURY	2	N	1	2
25	DATE-OF-TRANS	5	GROUP	3	7
30	YEAR	2	N	3	4
30	JULIAN-DAY	3	N	5	7
20	MMICS-SEQ-NO	7	GROUP	8	14
25	SEQ-MO-CODE	2	X	8	9
25	SEQ-NO	5	X	10	14
20	MMICS-SEQ-CODE	1	N	15	15
10	CARD-HEADER	10	GROUP	16	25
20	SRAN-BASE	4	X	16	19
20	UNIT-ID	1	X	20	20
20	CARD-NO	1	X	21	21
20	SUBSYS-IDENTIFIER	1	X	22	22
20	TRANS-CONDITION-CD	2	GROUP	23	24
25	TRAN-CD	1	X	23	23
25	COND-CD	1	X	24	24
20	TYPE-REPORT	1	X	25	25
10	CARD-DATA	58	GROUP	26	83
20	SERIAL-NO	10	X	26	35
20	COMMAND	3	GROUP	36	38
25	MAJOR	2	X	36	37
25	SUB-COMMAND	1	X	38	38
20	OWNING-ORGANIZATION	1	X	39	39
20	OWNERSHIP-ACCT-CD	1	X	40	40
20	CI	7	GROUP	41	47
30	ENGINE-ID	2	X	41	42
30	WUC	5	X	43	47
20	INSTALLED-REPORTS	36	GROUP	48	83
25	FILLER	6	X	48	53
25	ENG-OR-FLY-TIME	5	X	54	58

CE102150

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Figure 3-370. Data Base Format CE102150 - 1 (Sheet of 1 of 3)

CE102150

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
25	CYCLE-COUNT	5	X	59	63
25	AIRCRAFT-MDS	7	X	64	70
25	TYPE-MDS	1	X	71	71
88	TMSM	VALUE 'T'			
88	AIRCRAFT	VALUE 'A'			
88	AGE	VALUE 'G'			
25	END-ITEM-SER-NO	10	X	72	81
25	ENGINE-POSITION	1	X	82	82
25	FILLER	1	X	83	83
20	REMOVALS REDEFINES INSTALLED-REPORTS	36	GROUP	48	83
25	FILLER	6	X	48	53
25	ENGINE-OR-FLY-TIME	5	X	54	58
25	CYCLE-COUNT	5	X	59	63
25	HOW-MALFUNCTION-CD	3	GROUP	64	66
30	REMOVAL-REASON	3	X	64	66
25	OVERHAUL-RETURN-REASON	2	X	67	68
25	FILLER	13	X	69	81
25	PRIM-SEC-REMOVE	1	X	82	82
25	FILLER	1	X	83	83
20	SHIPMENTS REDEFINES INSTALLED-REPORTS	36	GROUP	48	83
25	TO-OR-FROM-COMMAND	2	X	48	49
25	TO-OR-FROM-SRAN	4	X	50	53
25	TYPE-CONTAINER	4	X	54	57
25	TRANSP-CNTL-NO	15	X	58	72
25	REP-ENG-SER-NO	10	X	73	82
25	FILLER	1	X	83	83
20	GAIN-LOSSES REDEFINES INSTALLED-REPORTS	36	GROUP	48	83
25	TO-OR-FROM-COMMAND	2	X	48	49
25	SRAN-BASE	4	X	50	53
25	FILLER	4	X	54	57
25	DOCUMENT-NO	15	X	58	72

CE102150

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Figure 3-370. Data Base Format CE102150 - 1 (Sheet of 2 of 3)

CE102150

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
25	FILLER	2	X	73	74
25	SECURITY-ASST-PROG	8	X	75	82
25	FILLER	1	X	83	83
20	SERIAL-NUMBER-CHANGE REDEFINES INSTALLED-REPORTS	36	GROUP	48	83
25	NEW-SERIAL-NO	10	X	48	57
25	NEW-CII	7	X	58	64
25	NHA-SERIAL-NO	10	X	65	74
25	FILLER	9	X	75	83
10	SUPPLEMENTAL-DATA	47	GROUP	84	130
20	TIME-OF-TRANS	4	X	84	87
20	DATE-PROCESSED-CEN	7	GROUP	88	94
25	CENT-PROCESSED	2	X	88	89
25	DATE-PROCESSED	5	X	90	94
20	LOCATION-CD	1	X	95	95
20	NHA-DESIG	7	X	96	102
20	PREVIOUS-DATE-OF-TRANS-CEN	7	GROUP	103	109
25	PREVIOUS-CENT-DOT	2	X	103	104
25	PREVIOUS-DATE-OF-TRANS	5	X	105	109
20	PREVIOUS-MMICS-SEQ-NO	7	X	110	116
20	PREVIOUS-MMICS-SEQ-CODE	1	N	117	117
20	PREVIOUS-TRANS-COND-CD	2	X	118	119
20	PREVIOUS-OWNERSHIP-ACCT-CD	1	X	120	120
20	POSTING-CD-1	1	X	121	121
20	POSTING-CD-2	1	X	122	122
20	TERMINAL-ID	8	X	123	130

CE102150

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Figure 3-370. Data Base Format CE102150 - 1 (Sheet of 3 of 3)

CE102160

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE102160	40	GROUP	1	40
10	KEY-CE102160	15	GROUP	1	15
20	NATIONAL-STOCK-NUMBER	15	X	1	15
10	CANNIBALIZATION-DATA	25	GROUP	16	40
20	SRAN-BASE	4	X	16	19
20	COMMAND	3	GROUP	20	22
30	MAJOR	2	X	20	21
30	SUB-COMMAND	1	X	22	22
20	OWNERSHIP-ACCT-CD	1	X	23	23
20	DATE-OF-TRANS-CEN	7	GROUP	24	30
25	CENT-DATE-OF-TRANS	2	X	24	25
25	DATE-OF-TRANS	5	X	26	30
20	MMICS-SEQ-NO	7	X	31	37
20	QTY	3	N	38	40

CE102160

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Figure 3-371. Data Base Format CE102160

CE102170

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE102170	24	GROUP	1	24
10	KEY-CE102170	6	GROUP	1	6
20	CATALOG-NO	2	X	1	2
20	TLCC	4	GROUP	3	6
30	TLC	3	X	3	5
30	CATEGORY	1	X	6	6
10	LIFE-LIMIT	7	N	7	13
10	DATE-SET-CEN	7	GROUP	14	20
20	CENT-DATE-SET	2	X	14	15
20	DATE-SET	5	X	16	20
10	K-FACTOR PIC 9V999	4	NE	21	24

CE102170

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Figure 3-372. Data Base Format CE102170

CE103RSG

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE103RSG	500	GROUP	1	500
10	KEY-RSG	7	GROUP	1	7
20	CI	7	GROUP	1	7
30	CI-TYPE	1	X	1	1
88	ENGINE-CI	VALUE 'A'			
88	ASSEMBLY	VALUE (MULTIPLE VALUES)			
88	ACCESSORY-CI	VALUE 'L'			
88	COMPONENT-CI	VALUE 'P'			
88	BLADE-SET-CI	VALUE 'S'			
88	ACCOUNTABLE	VALUE 'A'			
30	TYPE-MODEL	4	X	2	5
30	ASSEMBLY-ID	1	X	6	6
30	COMPONENT-ID	1	X	7	7
10	CI-DATA	460	GROUP	8	467
20	NOUN	35	X	8	42
20	WUC	5	X	43	47
20	NHA-CI	7	X	48	54
20	INDENTURE-LEVEL	1	X	55	55
20	QPA	2	X	56	57
20	UPDATE-CARD-COUNT	1	N	58	58
20	ITEM-TYPE	1	X	59	59
88	ENGINE	VALUE 'E'			
88	MODULE	VALUE 'M'			
88	ACCESSORY	VALUE 'A'			
88	COMPONENT	VALUE 'C'			
88	SUB-ASSEMBLY	VALUE 'S'			
88	BLADE-SET	VALUE 'B'			
88	1534-REPORTABLE	VALUE 'E'			
20	CI-EHR	7	X	60	66
20	COMPONENT-REPAIR-LEVEL	1	X	67	67
88	DEPOT-ONLY	VALUE 'D'			
88	DEPOT-BASE	VALUE 'B'			
88	DEPOT-ONLY-PI	VALUE 'P'			

CE103RSG

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Figure 3-373. Data Base Format CE103RSG - 1 (Sheet of 1 of 3)

CE103RSG

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
20	TRACKING-METHODS	340	GROUP	68	407
30	CATALOG-NUMBERS OCCURS 17 TIMES TO 407	20	GROUP	68	87
40	CATALOG-NO	2	X	68	69
40	TLC	3	X	70	72
40	VARIANCE	5	N	73	77
40	MAX-UPDATE-LIMIT	5	N	78	82
40	EXT-FLIGHT-LIMIT	5	N	83	87
20	END-OF-TRACKING-METHODS	2	X	408	409
20	NUM-TRACKING-METHODS	2	N	410	411
20	EQUATION-TYPE	1	X	412	412
88	STATUS-ONLY	VALUE 'S'			
88	F101-TYPE-1	VALUE '1'			
88	F101-TYPE-2	VALUE '2'			
88	F101-TYPE-3	VALUE '3'			
20	EQUATION-CONSTANTS	54	GROUP	413	466
30	C1 PIC 999V99	5	NE	413	417
30	K-FACTOR PIC 999V99 REDEFINES C1	5	NE	413	417
30	C1-DEC	1	SN	418	418
30	C2 PIC 999V99	5	NE	419	423
30	C2-DEC	1	SN	424	424
30	C3 PIC 999V99	5	NE	425	429
30	C3-DEC	1	SN	430	430
30	C4 PIC 999V99	5	NE	431	435
30	C4-DEC	1	SN	436	436
30	C5 PIC 999V99	5	NE	437	441
30	C5-DEC	1	SN	442	442
30	C6 PIC 999V99	5	NE	443	447
30	C6-DEC	1	SN	448	448

CE103RSG

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Figure 3-373. Data Base Format CE103RSG - 1 (Sheet of 2 of 3)

CE103RSG

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
30	C7 PIC 999V99	5	NE	449	453
30	C7-DEC	1	SN	454	454
30	C8 PIC 999V99	5	NE	455	459
30	C8-DEC	1	SN	460	460
30	C9 PIC 999V99	5	NE	461	465
30	C9-DEC	1	SN	466	466
20	CONSTANT-TABLE REDEFINES EQUATION-CONSTANTS	54	GROUP	413	466
30	CONSTANT-ENTRY OCCURS 9 TIMES TO 466	6	GROUP	413	418
40	C PIC 999V99	5	NE	413	417
40	C-DEC	1	SN	418	418
20	BASE-CONDEMN-ELIGIBLE	1	X	467	467
88	BASE-LEVEL-6B-6C-AUTHORIZED	VALUE 'Y'			
10	FILLER	33	X	468	500

CE103RSG

H9902896

Figure 3-373. Data Base Format CE103RSG - 1 (Sheet of 3 of 3)

CE103130

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE103130	2262	GROUP	1	2262
10	KEY-CE103130	12	GROUP	1	12
20	TSM	12	X	1	12
10	BOMP-CI-ENTRY OCCURS 150 TIMES TO 2262	15	GROUP	13	27
20	CI	7	X	13	19
20	NEXT-TWIN	(3) 2	SC	20	21
20	NLA-SUB	(3) 2	SC	22	23
20	NHA-SUB	(3) 2	SC	24	25
20	QPA	(3) 2	SC	26	27

CE103130

H9902898

Figure 3-374. Data Base Format CE103130

CE103140

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE103140	379	GROUP	1	379
10	KEY-CE103140	12	GROUP	1	12
20	TMSM	12	X	1	12
10	ENGINE-ID	2	X	13	14
10	BOMP-SUB	3	N	15	17
10	NLA-MASK-SUB	2	N	18	19
10	NLA-MASK	80	GROUP	20	99
20	NLA-COUNT OCCURS 40 TIMES TO 99	2	N	20	21
10	CI-LIST	280	GROUP	100	379
20	NLA-CI OCCURS 40 TIMES TO 379	7	GROUP	100	106
30	CI-TYPE	1	X	100	100
30	TYPE-MODEL	4	X	101	104
30	ASSEMBLY-ID	1	X	105	105
30	COMPONENT-ID	1	X	106	106

CE103140

H9902899

Figure 3-375. Data Base Format CE103140

CE104RSG

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE104RSG	400	GROUP	1	400
05	KEY-RSG	8	GROUP	1	8
10	TCTO-DATA-CODE	7	X	1	7
10	MODEL-CODE	1	X	8	8
05	TCTO-NO	17	X	9	25
05	SAFETY-ID	1	X	26	26
05	TCTO-REL-DATA	8	GROUP	27	34
10	DD-1	2	X	27	28
10	MM-1	2	X	29	30
10	CC-1	2	X	31	32
10	Y-1	2	X	33	34
05	TO-CAT-TYPE	1	X	35	35
05	LEVEL-ACCOMP	1	X	36	36
05	CA-IND	1	X	37	37
05	TCTO-RECISION-DT	8	GROUP	38	45
10	DD-2	2	X	38	39
10	MM-2	2	X	40	41
10	CC-2	2	X	42	43
10	Y-2	2	X	44	45
05	MSTR-TO-TYPE	1	X	46	46
05	COMPLIED-WITH	1	X	47	47
05	FILLER	1	X	48	48
05	NEW-DATA-CODE	7	X	49	55
05	STRUCT-TCTO	1	X	56	56
05	RET-FLAG	1	X	57	57
88	READY-RETIRE	VALUE '1'			
88	RETIRED	VALUE '2'			
88	RESCINDED	VALUE '3'			
88	TAPE-READY	VALUE '4'			
88	TAPE-RETIRED	VALUE '5'			
05	WEIGHT-BALANCE-INDICATOR	1	X	58	58
05	LANDING-GEAR-INDICATOR	1	X	59	59
05	FSC	4	X	60	63

CE104RSG

H9902900

Figure 3-376. Data Base Format CE104RSG - 1 (Sheet of 1 of 4)

CE104RSG

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
05	FILLER	1	X	64	64
05	NO-UNIT-MODIF	5	N	65	69
05	MANHRS-PERUNIT PIC 9(4)V9	5	NE	70	74
05	KIT-ID-NO	15	X	75	89
05	WHN-ACCOMP	1	X	90	90
05	EXPRATN-TIME	3	N	91	93
05	FILLER	1	X	94	94
05	FILLER	1	X	95	95
05	EXP-DATE	7	GROUP	96	102
10	EXP-CC	2	N	96	97
10	EXPRATN-DATE	5	N	98	102
05	DASH-NO	3	X	103	105
05	AC-WITH-DCS	28	GROUP	106	133
10	AC-WITH-DC OCCURS 4 TIMES TO 133	7	X	106	112
05	AC-AFT-DCS	49	GROUP	134	182
10	AC-AFT-DC OCCURS 7 TIMES TO 182	7	X	134	140
05	AC-PRI-DCS	28	GROUP	183	210
10	AC-PRI-DC OCCURS 4 TIMES TO 210	7	X	183	189
05	ECPS	33	GROUP	211	243
10	ECP OCCURS 3 TIMES TO 243	11	X	211	221
05	KITS	1	X	244	244
05	PARTS	1	X	245	245
05	TOOLS	1	X	246	246
05	TCTO-DESC-TITLE	35	X	247	281
05	TCTO-DESC-OF-CHANGE	20	X	282	301
05	ADDITIONAL-WORK-REQUIRED	1	X	302	302
88	ADDITIONAL-WORK-RQD	VALUE 'Y'			
88	NO-ADDITIONAL-WORK-RQD	VALUE 'N'			
05	COMPLIANCE-REPORT-REQUIRED	1	X	303	303
88	COMPLIANCE-REPORT-RQD	VALUE 'Y'			

CE104RSG

H9902901

Figure 3-376. Data Base Format CE104RSG - 1 (Sheet of 2 of 4)

CE104RSG

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
88	NO-COMPLIANCE-REPORT-RQD	VALUE 'N'			
05	OPER-IND	1	X	304	304
05	MOD-NR	7	X	305	311
05	EST-DATE	6	GROUP	312	317
10	EST-MON	2	X	312	313
10	EST-CC	2	X	314	315
10	EST-YR	2	X	316	317
05	CMP-DATE	6	GROUP	318	323
10	CMP-MON	2	X	318	319
10	CMP-CC	2	X	320	321
10	CMP-YR	2	X	322	323
05	ACCESS-KEY	2	X	324	325
05	SUFFIX	2	X	326	327
05	TO-APP-CODE	1	X	328	328
05	PUBLICATION-DATE	8	GROUP	329	336
10	P-DD	2	X	329	330
10	P-MM	2	X	331	332
10	P-CC	2	X	333	334
10	P-YY	2	X	335	336
05	TCTO-FILE-UPDATE	7	GROUP	337	343
10	CC-U	2	X	337	338
10	YY-U	2	X	339	340
10	DDD-U	3	X	341	343
05	FILLER	1	X	344	344
05	TCTO-ISSUE-ACTIVITY	6	X	345	350
05	PART-NUM-CHANGE	1	X	351	351
05	PSC-CODE	1	X	352	352
05	INDENTURE-LEVEL	1	X	353	353
05	EQP-SPEC	3	X	354	356
05	PCN-NUMBER	7	X	357	363
05	FILLER	3	X	364	366
05	JACKET-FILE	1	X	367	367
05	TCTO-CLASS	3	X	368	370

CE104RSG

H9902902

Figure 3-376. Data Base Format CE104RSG - 1 (Sheet of 3 of 4)

CE104RSG

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
05	FILLER	1	X	371	371
05	CE104RSG-DATE-TIME-STAMP	11	GROUP	372	382
10	CE104-CENTURY	2	X	372	373
10	CE104-YEAR	2	X	374	375
10	CE104-DAY	3	X	376	378
10	CE104-HOUR	2	X	379	380
10	CE104-MINUTE	2	X	381	382
05	FILLER	18	X	383	400

CE104RSG

H9902903

Figure 3-376. Data Base Format CE104RSG - 1 (Sheet of 4 of 4)

CE 104110

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	CE 104110	17	GROUP	1	17
03	KEY-CE 104110	17	GROUP	1	17
05	CI	7	X	1	7
05	SERIAL-NO	10	X	8	17

CE 104110

H9902904

Figure 3-377. Data Base Format CE104110

BASE-ACCOUNTS-RECORD					
LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
01	BASE-ACCOUNTS-RECORD	224	GROUP	1	224
10	TYPE-ENGINE-CD	1	X	1	1
10	PRIME-AUX-CD	1	X	2	2
10	PRIME-ALC-CD	1	X	3	3
10	FAMILY-GROUP-CD	3	X	4	6
10	TMSM	12	X	7	18
10	ENGINE-SERIAL	10	X	19	28
10	ENGINE-ID	2	X	29	30
10	WUC	5	X	31	35
10	COMMAND-HOST	2	X	36	37
10	COMMAND	3	GROUP	38	40
20	MAJOR	2	X	38	39
20	SUB-COMMAND	1	X	40	40
10	OWNING-ORGANIZATION	1	X	41	41
10	UNIT-ID	1	X	42	42
10	CARD-NO	1	X	43	43
10	SUBSYS-IDENTIFIER	1	X	44	44
10	LOCATION-CD	1	X	45	45
10	SRAN-BASE	4	X	46	49
10	SRAN-DESCRIPTION	15	X	50	64
10	OWNERSHIP-ACCT-CD	1	X	65	65
10	TYPE-REPORT	1	X	66	66
10	DATE-OF-TRANS	5	X	67	71
10	TIME-OF-TRANS	4	X	72	75
10	MMICS-SEQ-NO	7	X	76	82
10	TRAN-COND-CD	2	GROUP	83	84
20	TRAN-CD	1	X	83	83
20	COND-CD	1	X	84	84
10	TO-OR-FROM-COMMAND	2	X	85	86
10	TO-OR-FROM-SRAN	4	X	87	90
10	TYPE-CONTAINER	4	X	91	94
10	TRANSP-CNTL-NO	15	GROUP	95	109
20	DOCUMENT-NO	15	X	95	109
BASE-ACCOUNTS-RECORD					

H9902905

Figure 3-378. CEBAC Data Base Format - 1 (Sheet of 1 of 3)

BASE-ACCOUNTS-RECORD

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
10	SECURITY-ASST-PROG	8	X	110	117
10	REP-ENG-SER-NO	10	X	118	127
10	REMOVAL-REASON	3	X	128	130
10	OVERHAUL-RETURN-REASON	3	X	131	133
10	NUMBER-OF-OVHLS	3	N	134	136
10	NUMBER-OF-BASE-MTS	4	N	137	140
10	LAST-OVHL-SRAN	4	X	141	144
10	ENGINE-HRS-SINCE-OVERHAUL	5	N	145	149
10	ENGINE-CYCLES-SINCE-NEW	7	N	150	156
10	AIRCRAFT-MDS	7	X	157	163
10	AIRCRAFT-SERIAL	10	X	164	173
10	ENGINE-POSITION	1	X	174	174
10	ENG-OR-FLY-TIME-SINCE-NEW	5	N	175	179
10	CYCLE-COUNT-SINCE-OVERHAUL	5	N	180	184
10	PREVIOUS-TRANS-COND-CD	2	X	185	186
10	PREVIOUS-OWNERSHIP-ACCT-CD	1	X	187	187
10	TRANSMISSION-METHOD	1	X	188	188
10	DATE-RECEIVED	5	X	189	193
10	DATE-PROCESSED	5	X	194	198
10	POSTING-CD-1	1	X	199	199
10	POSTING-CD-2	1	X	200	200
10	CI	7	GROUP	201	207
20	CI-TYPE	1	X	201	201
88	ENGINE-CI	VALUE 'A'			
88	ASSEMBLY	VALUE (MULTIPLE VALUES)			
88	ACCESSORY-CI	VALUE 'L'			
88	COMPONENT-CI	VALUE 'P'			
88	BLADE-SET-CI	VALUE 'S'			
88	ACCOUNTABLE	VALUE 'A'			
20	TYPE-MODEL	4	X	202	205
20	ASSEMBLY-ID	1	X	206	206
20	COMPONENT-ID	1	X	207	207
10	NHA-DESIG	7	X	208	214

BASE-ACCOUNTS-RECORD

H9902906

Figure 3-378. CEBAC Data Base Format - 2 (Sheet of 2 of 3)

BASE-ACCOUNTS-RECORD

LEVEL	DATA-NAME	LENGTH	TYPE	FROM	TO
10	DATE-OF-LAST-OVERHAUL	5	X	215	219
10	ENG-HRS-SINCE-OH-AT-LAST-BM	5	N	220	224

BASE-ACCOUNTS-RECORD

H9902907

Figure 3-378. CEBAC Data Base Format - 3 (Sheet of 3 of 3)

APPENDIX A

INTEGRATED BASE-LEVEL ENGINE MANAGEMENT SYSTEM (IBEMS) SETUP INSTRUCTIONS

- A-1 The IBEMS program works with Infoconnect and Dynacomm. These programs have to be loaded and configured properly on the computer you will install IBEMS.
- A-2 To install the IBEMS program, go to the CEMS web site <http://cews.tinker.af.mil> and select **Software Download**. Next select the link for IBEMS. You will need to register the software before proceeding. After registering you will be taken to the download page. Select IBEMS.
- A-3 If you are at the computer on which you would like to install this software, select **"Run this program from its current location."** If you would like to install this software on other computers on your network, select **"Save this program to disk."** After making your selection, select **OK**.
- A-4 A form will appear showing the status of the file download.
- A-5 After the download is complete, select **Yes** to continue.
- A-6 A form will appear prompting you for a password. Your CEMS technician can give you the required password.
- A-7 The program setup files will now be unzipped to a temporary directory.
- A-8 After the files have been unzipped, select **OK** to continue.
- A-9 To begin the actual installation, click on the **square button**.
- A-10 The IBEM setup will create a directory called IBEM in the root directory on your computer.
- A-11 When the setup is complete, click on **OK** to exit from the setup.
- A-12 The IBEMS program has been installed successfully on your computer.
- A-13 You will need to get the engine part number table. The engine part number table is a self-extracting executable that creates a text file. They are named after the engine tmsm (example: F100.exe, F110100.exe). Copy the engine part number table into the IBEM subdirectory then run the file(s) to expand them.
- (NOTE: If you have more than one engine type at your base, download a file for each engine type. Contact you CEMS Technician about merging the multiple engine part number files together.)
- A-14 To run IBEMS from Windows 95/98/NT select **Start, Programs, IBEM for Windows**, then click on **IBEM for Windows**. If this is the first time that you are running IBEM, you will get an error message. The reason for this message is the **eqp2cii.txt** file has not been created yet. (Contact your CEMS Technician about creating and emailing this file to you.) As we go through the setup we will create this file. The **eqp2cii.txt** file will contain the engine/aircraft Ids, CII's, and serial numbers for all engines and aircraft at your location. For now, just select **OK** to clear this error message. You will also see another error message (**LoadEquip2CIIFile Failed**), this is related to the first error message. Just click on **OK** to clear this also.
- A-15 A splash screen will appear next. Click on it to make it disappear. A form will appear with some menu options. Select the **Setup** button. The folder **"General Info"** will appear. Enter your **SRAN** and your **Base Command**. Select the difference between your local time and **Central Standard Time**.
- A-16 Select the **"Files"** tab. Click on the **"Select"** button to the right of **Part-CII** to select the correct **Part-CII** table for your TMSM. Next select **"Load Now"** to load the selected file. (This is point at which you will select the engine part number file that you downloaded separately.) Now select the **Edit** button to the right of **"Equip ID, SN, CII."** This will bring up a form called **"Equip ID - CII - SN Table Maintenance."** Select **"Edit Current List."** If this is the initial setup, the message **"The Equip-to-CII list is empty at this time"** should appear. Select **"OK"** to clear this message. Enter an **Equip ID**, **CII**, and **Serial Number** for an engine, then select **"Add."** Do this for each engine and aircraft at your base. After all these have been entered select **"Update Current List,"** and select **"Save."** Enter information about the **Equip2cii** file, then select **"OK."** Select **"OK"** at the bottom of the **Equip ID - CII - SN Table Maintenance** form to exit.

A-17 Select the "CEMS Emulation" tab. The information here should not need to be changed as long as the Dynacomm software was setup with default settings. The CEMS Timeout Value can be changed if you desire a shorter or longer timeout.

A-18 Select the "CAMS Emulation" tab. Click on the button that says "Profile Manager."

This will bring up Infoconnect's Profile Manager. This program assigns a short name to a session profile. A CAMS session in the Accessory Manager is identified by its profile file (A file with the extension *.XWP). For IBEM to communicate with CAMS, there must be a short name assignment. On the Profile Manager form select the Profile Name of your active CAMS session. Next select the "Assign" button. There should be a corresponding entry in the association list towards the bottom of the form. It will look like "A=c:\infoconn\accmgr\cams1.xwp," "A" represents the short name, and "cams1.xwp" represents the profile name you have selected as your active session. Close the Profile Manager. Enter the short name you just assigned in Profile Manager into the field identified as "UTS Short Name" in the CAMS Emulation tab in IBEM setup. Select "Save Values and Exit" at the bottom of the setup form.

A-19 IBEM setup is complete.

IBEM OPERATING INSTRUCTIONS

A-20 If you are using Windows 95/98/NT, bring up the IBEM program by selecting "Start," then "Programs," then "IBEM for Windows," then "IBEM for Windows."

A-21 The splash screen will appear, it will go away when you click on it. Next you will see the main menu. From this menu you can startup both Infoconnect and Dynacomm.

A-22 To start Dynacomm select menu option 1 "Load CEMS Emulator." Dynacomm/Elite will startup. Next log on to IMSA in CEMS. If you have multiple pages setup in Dynacomm, ensure you connect using screen 1 (scr1). After logging on to IMSA, go back to the IBEM main menu and select option 2 "Connect to CEMS." You will notice the CEMS button on the IBEM status bar has turned green.

A-23 To start Infoconnect select menu option 3 "Load CAMS Emulator." Infoconnect will startup. Logon to CAMS using the profile that was assigned in the Profile Manager. After logging on to CAMS, go back to the IBEM main menu and select option 4 "Connect to CAMS." You will notice the CAMS button on the IBEM status bar has turned green.

A-24 Now select option 5 "Key Capture Mode" from the IBEM main menu. A green box labeled "IBEM is ACTIVE" will appear* to the right of the IBEM status bar.

* NOTE: If the green box cannot be seen completely, you will need to change the resolution for your terminal to 800 X 600. If you need help doing this, please call.

A-25 Select option 6 "Minimize This Form" from the IBEM main menu. The IBEM main menu will be minimized and you are now ready to start processing transactions.

A-26 To process transactions through IBEM, the Key Capture box to the right of the IBEM status bar must be green. While this box is green any input from the keyboard will be routed to the CAMS emulator. Do not click with the mouse on the CAMS emulator during the update process. If the CAMS emulator is clicked on, IBEM will not work.

HINT: The CAMS emulator may need to be adjusted in size so that the CAMS emulator screen and the IBEM Status Bar are displayed on the screen at the same time.

APPENDIX B

ENGINE LOAD PROGRAM (ELP) SETUP INSTRUCTIONS

B-1 The Engine Load Program (ELP) works with Infoconnect. This program has to be loaded and configured properly on the computer you will install ELP.

B-2 To install the ELP program, go to the CEMS web site <http://cews.tinker.af.mil> and select **Software Download**. Next select the link for ELP. You will need to register the software before proceeding. After registering you will be taken to the download page. Select **ELP**.

B-3 If you are at the computer on which you would like to install this software, select **"Run this program from its current location."** If you would like to install this software on other computers on your network, select **"Save this program to disk."** After making your selection, select **OK**.

B-4 A form will appear showing the status of the file download.

B-5 After the download is complete, select **Yes** to continue.

B-6 A form will appear prompting you for a password. Your CEMS technician can give you the required password.

B-7 The program setup files will now be unzipped to a temporary directory.

B-8 After the files have been unzipped, the ELP Setup screen will appear. Select **OK** to continue.

B-9 To begin the actual installation, click on the **square button**.

B-10 The ELP setup will create a directory called **ELP** in the root directory on your computer.

B-11 When the setup is complete, a form will appear stating **"ELP Setup was completed successfully."** Click on **OK** to exit from the setup.

B-12 The Engine Load Program (ELP) has been installed successfully on your computer.

B-13 To run ELP from Windows 95 or Windows NT select **Start, Programs, ELP**, then click on **ELP**. A form will appear if this is the first installation of the ELP program on this computer. The first step to do is setup the software to use. Select **OK** to continue.

B-14 The main ELP form will appear next.

B-15 To setup ELP, you must first be logged on to CAMS. To log onto CAMS, select **CAMS** from the ELP form. Then select **"Load CAMS."** The Accessory Manager program will be invoked allowing you to connect to your CAMS database.

Note: After connecting to CAMS, make sure that you are logged into the CAMS database with the same profile (page) that you would use normally to process transactions into CAMS.

B-16 To setup ELP for use, click on **"File"** then **"Setup."**

B-17 Click on the **"CAMS"** tab. To complete the setup procedure, click the **"GET CAMS PROFILE"** button. Pressing this button will allow the software to find which profile (page) you are using in CAMS. After the profile has been found, press the **"ASSIGN"** to complete the setup.

B-18 After the program has made the assignment for the correct profile a message **"Request Successful"** will appear. Click **OK**. Then click **OK** on the ELP Setup form.

B-19 To access the help file select **Help** from the main menu, then select **Contents**.

B-20 The help file has information on running the program, along with troubleshooting problems that may occur.

B-21 To learn how to ideck an engine into your CAMS database, click on The Engine Load Process.

APPENDIX C

FORWARDING PROGRAM (CFP) SETUP INSTRUCTIONS

C-1 The CEMS Forwarding Program (CFP) works with Infoconnect and the Dynacomm Elite software. These programs have to be loaded and configured properly on the computer you will install CFP.

C-2 To install the CFP program, go to the CEMS web site <http://cews.tinker.af.mil> and select **Software Download**. Next select the link for CFP. You will need to register the software before proceeding. After registering you will be taken to the download page, from there select CFP.

C-3 If you are at the computer on which you would like to install this software, select **"Run this program from its current location."** After making your selection, select **OK**.

C-4 A form will appear next showing the status of the file download.

C-5 After the download is complete a form will appear asking if you want to install and run **"ELPInst.exe from cews.tinker.af.mil."** Select **Yes** to continue.

C-6 Next a form will appear prompting you for a password. Your CEMS technician can give you the required password.

C-7 The program setup files will now be unzipped to a temporary directory.

C-8 After the files have been unzipped, a **"Welcome to the CFP installation program"** form will appear. Select **OK** to continue.

C-9 You will then be prompted to begin the actual installation by **"clicking on the button below."**

C-10 The CFP setup will create a directory called CFP in the root directory on your computer.

C-11 When the setup is complete, a form will appear stating **"CFP Setup was completed successfully."** Click on **OK** to exit from the setup.

C-12 The CEMS Forwarding Program (CFP) has been installed successfully on your computer.

C-13 To run CFP from Windows 95 or Windows NT select **Start, Programs, CFP**, then click on CFP. If this is the first installation of the CFP program on this computer, a form will appear asking you to verify the CFP setup by selecting **File** and **Setup** from the CFP menu. The first step to do is setup the software to use. Select **OK** to continue.

C-14 The main CFP form will appear next.

C-15 To setup CFP, you must first be logged on to CAMS. To log onto CAMS, select **CAMS** from the CFP form. Then select **"Load CAMS."** The Accessory Manager program will be invoked allowing you to connect to your CAMS database.

Note: After connecting to CAMS, make sure that you are logged into the CAMS database with the same profile (page) that you would use normally to process transactions into CAMS.

C-16 To setup CFP for use, click on **"File"** then **"Setup."** The following form will appear:

Figure 16.1

CFP Setup

CFP CAMS CEMS

SELECT EDITOR c:\windows\notepad.exe

☐ Use IBEMS Equip 2 CII Table

☐ Update Fly Time

OK

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The setup form allows you to establish connectivity to the active CAMS and CEMS sessions. This ordinarily needs to be established one time. Checking the “Update Fly Time” form will cause CFP to update each engines’ flytime during the CEMS update process. If the “Use IBEMS Equip 2 CII Table” form is checked, CFP will query the IBEMS eqp2cii file and use the CII loaded to this file.

C-17 Click on the “CAMS” tab. To complete the setup procedure. Click the “GET CAMS PROFILE” button. Pressing this button will allow the software to find which profile (page) you are using in CAMS. After the profile has been found, press the “ASSIGN” to complete the setup.

Figure 17.1

CFP Setup

CFP CAMS CEMS

CAMS Schema 6R1

IHLLAPI Short name A

GET CAMS PROFILE int1_1.xwp

ASSIGN

CAMS Timeout 45

OK

H9903235

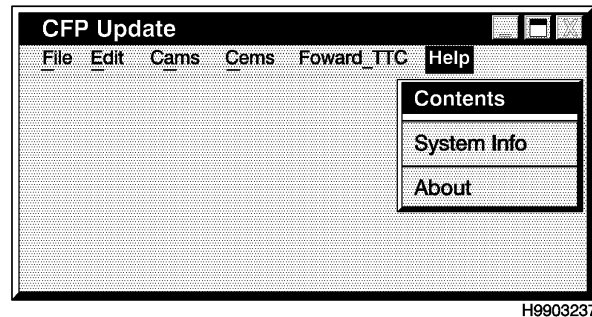
C-18 After the program has made the assignment for the correct profile, the following message will appear. Click OK. Then click OK on the CFP Setup form.

Figure 18.1



C-19 To access the help file select Help from the main menu, then select Contents:

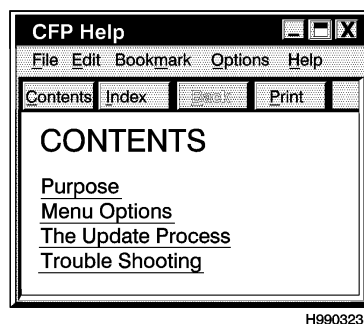
Figure 19.1



C-20 The help file has information on running the program, along with troubleshooting problems that may occur.

C-21 To learn how to update an engine into your CAMS database and into the CEMS database, click on The Update Process.

Figure 21.1



(If you have any further questions concerning CFP, contact your CEMS Technician.)

APPENDIX D

CEMS LPD INSTALLATION

- D-1 The CEMSLpd program is a 32-bit application and will work with 32-bit and 16-bit Windows operating systems.
- D-2 Before downloading and installing CEMSLpd, check the section on ERROR MESSAGES.
- D-3 If you are using Internet Explorer, to install the CEMSLpd program, go to the CEMS web site <http://cews.okc.disa.mil> and select "Software" and then "Download." Next select CEMSLpd. You will need to register the software before proceeding. After registering, you will be taken to the download page. Select CEMSLpd.
- D-4 If you are at the computer on which you would like to install this software, select "Run this program from its current location." If you would like to install this software on other computers on your network, select "Save this program to disk." After making your selection, select "OK."
- D-5 A form will appear next showing the status of the file download.
- D-6 After the download is complete, select "yes" to continue.
- D-7 A form will appear prompting you for a password. Your CEMS technician can give you the required password.
- D-8 After the files have been unzipped, select "OK" to continue.
- D-9 Click on the button to begin the actual installation.
- D-10 The CEMSLpd setup will create a directory called CEMSLpd on the C:\ drive on your computer.
- D-11 When the setup is complete, click on OK to exit from the setup.

ERROR MESSAGES.

- D-12 If CEMSLpd has been previously installed on your computer, you will need to remove the old CEMSLpd by going to your Control Panel, selecting Add/Remove Programs, and removing the old CEMSLpd. After you have completed the removal, follow the CEMSLpd installation instructions.
- D-13 If your local network/system administrator has denied user access to any of the settings on the PC, the network/system administrator will have to download and install the CEMSLpd.

CEMS LPD Operating Instructions:

- D-14 To run CEMSLpd, select Start, Programs, and then click on CEMSLpd. If this is the first time you are running CEMSLpd, a message will appear. Select "OK" to continue.
- D-15 The CEMSLpd software window will appear.
- D-16 **Initial setup:** When CEMSLpd is installed, it is automatically setup to send all received print products to your default printer.
- D-17 **File Menu:** To change any of the settings, call your CEMS technician or follow instructions on the CEMS web page <http://cews@tinker.af.mil>.
- D-18 **Server Menu:** Under the Server menu are the following submenus:
- **Stop/Start:** If the server is started, this submenu option will read Stop, selecting stop will stop the server from receiving print products. If the server is stopped, this submenu option will read Start, selecting start will allow the server to receive print products.

- **Auto Start:** If this is checked, when CEMSLpd loaded, the server will be started automatically. If this is not checked, you will be required to manually start the server.
- **Clear Messages:** Selecting this will clear all messages from the Message list box on the main form.

D-19 Security Menu:

- CEMSLpd can be setup to allow only products from the I.P. addresses loaded in this table. CEMSLpd will only verify incoming addresses if the Verify Address checkbox is checked. The CEMSLpd is defaulted with the two addresses of the Tinker Data Services Center (TDSC) mainframe. Normally, the organization running the CEMSLpd will include their firewall address in this program.
- To add a new I.P. address to this list, enter the I.P. address in the space provided, then select "ADD."
- To remove an I.P. address, click on the I.P. address to be removed and select "REMOVE."
- To exit this form, select "OK."

D-20 View Data Menu: Selecting the View Data menu option will invoke the text editor chosen in the Queue setup. If this is the first time you have selected View Data, a message will appear.

- CEMSLpd searches the hard drive for the specified text editor, and then once it is found this information is saved to the lpd.ini file.

D-21 Help menu: Selecting the Help menu option will bring up the following submenus:

- **Contents:** This will bring up the CEMSLpd help file.
- **About:** This brings up the about box, which will show the program version number.

D-22 Save Setting: Any changes to the CEMSLpd will be accomplished by clicking "Save Settings" in the File Menu.

D-23 Troubleshooting. The following items will affect CEMSLpd:

- **Firewalls:** If the firewall at your location is not setup to allow traffic through port 515, requested print products cannot be routed to your CEMSLpd. Contact your local network office or base communications personnel. You will also need to load the I.P. address of your local firewall into the security table in CEMSLpd.
- **Invalid I.P. address:** See notes above about firewall. Also, if the I.P. address of your PC has changed, the print products will not be routed properly until either CEMS or G081 systems personnel are notified.

APPENDIX E

PROPULSION ACTUARIAL CLIENT/SERVER APPLICATION USERS MANUAL

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1. Introduction.

Actuarial analysis in support of the Comprehensive Engine Management System (CEMS) was once performed on the CREATE computing system. Since this system has been discontinued, the need existed for an alternative-computing environment to support CEMS Actuarial analysis. Additional objectives of the new environment include production of standard actuarial products, ability to perform ad hoc queries, and the ability to perform specialized data analysis. The client/server computing environment is ideal to provide the necessary data access in order to meet these objectives; therefore, Defense Information Systems Agency (DISA) at the Defense Megacenters Oklahoma City (DMC OKC) in conjunction with the CEMS Program Office commissioned the development of the Propulsion Actuarial Client/Server System (PACS).

1-1. Description.

The PACS consists of a relational database management system (RDBMS) residing on a symmetric multiprocessing (SMP) open systems computing platform at DMC OKC, networking connectivity among all users, and a client application residing on client personal computers (PCs.) Data from the multiple virtual systems (MVS) computing platform at DMC OKC is loaded into the RDBMS for access by the client application.

1-2. Purpose.

In general, the purpose of client/server at DMC OKC is to transfer some of the processing currently done on the mainframe computer to the client/server environment. The features of client/server computing are the Graphical User Interface (GUI) along with advantages of shared data and flexible data access. Also, in line with current DOD policy, the system utilizes the advantages and power of combining Commercial Off-The-Shelf (COTS) software products.

Three basic components make up a client/server system: the server, the client and the connectivity or networking capability. The server provides database, communication, network and other related services. The local client workstations provide application navigation and the presentation services. Connectivity for the server and clients is through TCP/IP.

The PACS utilizes the client/server computing paradigm described above to provide more immediate data access in order to perform the following tasks:

- Produce standard actuarial products (reports)
- Provide for editing of source data
- Provide ad hoc query and special reporting tools

1-3. Database Server.

With a database server, the client passes Structured Query Language (SQL) requests as messages to the database server. The results of each SQL command are returned over the network. The code that processes the SQL request and the data reside on the same machine. The server uses its own processing power to find the requested data, rather than pass all the records back to a client and let it find its own data. The result is a much more efficient use of distributed processing power. Database servers provide the foundation for decision-support systems that require ad hoc queries and flexible reports.

1-4. GUI Client.

A graphical user interface allows the user to more rapidly access applications and make good front-end clients to database servers. Users may access the database server and then process it with COTS software specific to their own requirements. GUIs replace the monochromatic command-line interface with graphic dialogues, color, menu bars, scroll boxes, and pull-down and pop-up windows. The PACS system GUI dialogues use the object/action model where users can select objects and then select the actions to be

performed on the chosen objects. Most dialogues are serial in nature. This model of user interaction is predominantly used in Windows 3.X, OS/2 2.X and OSF Motif applications.

1-5. Connectivity.

TCP/IP provides server-to-server, client-to-server and client-to-client communication, allowing users to exchange information via the network in a much more productive and efficient manner.

2. System Description.

The PACS hardware consists of a large database server at DMC OKC connected through TCP/IP protocol to PC clients at user locations. The software components include the relational database management system (RDBMS), the PACS client application, and various third party software applications. The hardware and software components are described more fully below.

2-1. Hardware.

The HP 9000 symmetric multiprocessing platform serves as the database server and is located at the Defense Megacenters Oklahoma City (DMC OKC) at Tinker Air Force Base, Oklahoma. The HP 9000 is configured with two General-Purpose Components (GPC) subsystems, one Intelligent Channel/Storage Controller (IC/SC) and two Intelligent Communications Controllers (ICC.) It is configured with 2 GB of random access memory and 60 GB of disk storage.

2-2. ACS Hardware Configuration.

Recommended client platforms consist of i486SX 25 MHz or better personal computers with at least 8 Mb of random access memory and a 200 Mb hard drive. The client display should be a SVGA color monitor.

2-3. Software.

The HP 9000 uses the UMAX V Unix operating system. The Oracle 7 relational database management system resides on the HP 9000. It is licensed for an unlimited number of users.

Client PCs should use the DOS operating system, version 6.2 or better, and Windows version 3.1. Additionally, other third-party software packages are necessary for the PC to run the PACS application. These consist of the following:

- Oracle SQL*Net with TCP/IP adapter
- Q+E Database Editor for Windows (version 6.0)
- TCP/IP networking package (such as Frontier or NetManage Chameleon)

These packages should be installed per manufacturer's instructions.

The PACS application software should be installed on the client PC hard drive directories as described in Section 4, Client Application.

2-4. Oracle on the PC.

The following few pages discuss how to set up the Microsoft's Open Database Connectivity standard (ODBC) Oracle driver to run with Oracle RDBMS software. To use the ODBC Oracle driver with any large application, such as Microsoft Visual Basic and Crystal Reports, you must use the SQL*Net for Windows Dynamic Link Libraries (DLL). Because the ODBC Oracle driver is designed to use Oracle RDBMS version 6 and the SQL*Net for Windows DLLs are designed to use Oracle RDBMS version 7, you must be careful to configure your system correctly.

Figure 2-2, on the following page, introduces SQL*Net version 2 and other components related to Oracle's Transparent Network Substrate (TNS) technology. The architecture of TNS is comprised of three software components:

- TNS-based applications (like SQL*Net version 2)
- Oracle Protocol Adapters (like the Oracle TCPAP Adapter for Windows)
- third-party networking software (like NetManage Chameleon TCP/IP)

The Oracle SQL*Net version 2 software is really divided into two layers: SQL*Net version 2 and the Oracle Protocol Adapters.

To set up the ODBC Oracle driver and the SQL*Net for Windows DLLs:

- a. Make sure that you have the correct versions of products from Oracle, including at least one SQL*Net protocol; i.e. SQL*Net TCP/IP for Windows.
- b. Install the network software connecting your client workstation to the server computer and check that a connection can be made. For example, for the TCP/IP protocol, use "PING." This connection must work before you install the SQL*Net for Windows DLLs.
- c. Run the Oracle installer program. When asked for your Oracle installation directory, use the suggested default directory (C:\ORAWIN).
- d. Run the Oracle installer that was placed in the "Oracle" group in the Program Manager:
 - (1) Install the files from the Required Support Files disk.
 - (2) Install the SQL*Net protocol you will be using; i.e., Oracle TCP/IP Adapter for Windows, and SQL*Net version 2.0. For more information, see the Oracle Documentation.
- e. Make sure your PATH variable includes the BIN sub-directory of your <Oracle-home> directory. For example, if your <Oracle-home> directory is C:\ORAWIN, add the following line, not already present, to your AUTOEXEC.BAT file:
 SET PATH=%PATH%;C:\ORAWIN\BIN

 By default, SQL*Net will be installed in the directory C:\ORAWIN and the SQL*Net DLLs will be placed in directory C:\ORAWIN\BIN.
- f. Make sure FILES > = 40 and BUFFERS > = 16 in your "CONFIG.SYS" file.
- g. To enable the ODBC Oracle driver to use Oracle version 7 error messages, copy the version 7 error messages to the directory where the ODBC Oracle driver will search for error messages:
 COPY C:\ORAWIN\RDBMS70*.MSB C:\ORAWIN\DBS
- h. Search for and delete all copies of ORA6WIN.DLL from your system. A new (backward compatible) version of ORA6WIN.DLL will be installed with the ODBC Oracle driver.
- i. Make sure ORACLE_HOME variable, located in C:\WINDOWS\ORACLE.INI, points to the <oracle-home> directory structure; i.e., C:\ORAWIN.

The following is an example of an "ORACLE.INI" file:

```
[Oracle]
ORACLE_HOME=C:\ORAWIN
NLS_LANG=AMERICAN_AMERICA.WE8ISO8859P1
ORAINST=C:\ORAWIN\db
TCP_VENDOR=WINSOCK
RDBMS70=C:\ORAWIN\rdbms70
PRO15=C:\ORAWIN\pro15
TK20=C:\ORAWIN\db
OH108=C:\ORAWIN\db
MM105=C:\ORAWIN\db
PRO14=C:\ORAWIN\pro14
EXECUTE_SQL=PLUS31
SQLPATH=C:\ORAWIN\db
PLUS31=C:\ORAWIN\PLUS31
OH109=C:\ORAWIN\db
```

```

MM107=C:\ORAWIN\db
NETWORK20=C:\ORAWIN\network
VGS20=C:\ORAWIN\db
DE1015=C:\ORAWIN\db
CA_UPREFS=C:\ORAWIN
CA_GPREFS=C:\ORAWIN
OCL20=C:\ORAWIN\db
<EOF>

```

- j. Unlike SQL*Net version 1 where most configuration parameters are specified in the connect string, SQL*Net version 2 looks in configuration files for the configuration parameters. The configuration file used on the client side is called "TNSNAMES.ORA."

The connect string to connect to a remote database via SQL*Net version 2 references the descriptor-alias defined in the "TNSNAMES.ORA" file as follows:

TNS:descriptor_alias

When connecting to an application with a dialog box, enter TNS:descriptor_alias in the field prompting for the host string or server.

Place the configuration file "TNSNAMES.ORA" in C:\ORAWIN\NETWORK\ADMIN directory and optionally, files "SQLNET.ORA" and "TNSNAV.ORA." These files are normally created by your system administrator and distributed as necessary. Example scripts can be found in C:\ORAWIN\NETWORK\ADMIM\SAMPLES. For more information, see the Oracle documentation.

Oracle recommends using port number 1521 with SQL*Net version 2. In any case, you must use a unique port number (one not used by any other application in the server machine), and the client must specify the same port number in the "TNSNAMES.ORA" file.

The following is an example of what the "TNSNAMES.ORA" and "SQLNET.ORA" files may look like:

```
#####
```

```
# Filename.....: tnanames.ora file
```

```
# This is a sample file for the client side.
```

```
# This file should be changed appropriately for any given network/machine.
```

```
#####
```

```
#
```

```
scocems = (DESCRIPTION =
```

```
            (ADDRESS =
```

```
                (PROTOCOL = tcp)
```

```
                (HOST = scocems)
```

```
                (PORT = 1521))
```

```
            (CONNECT-DATA =
```

```
                (SID = CEM)))
```

```
<EOF>
```

```
#####
```

```
# Filename.....:sqlnet.ora
```

```
#
```



```

# This is a sample file for the client side.
# This file should be changed appropriately for any given network/machine.
#####
#
trace_level_client = OFF
<EOF>
#####
# Filename.....:tnsnv.ora
#
## Use this file ONLY if there is a Multi-Protocol Interchange ##
#
# Client Profile: sample
#
#####
LOCAL_COMMUNITIES =
  (COMMUNITY-LIST =
    (COMMUNITY = desktopspx.sample)
  )
PREFERRED_CMANAGERS =
  (CMANAGER-LIST =
    (CMANAGER =
      (CMANAGER-NAME = dntspx.sample)
      (ADDRESS =
        (COMMUNITY = desktopspx.sample)
        (PROTOCOL = SPX)
        (Service = dntspx)
      )
    )
  )
(CMANAGER =
  (CMANAGER-NAME = spxtcp.sample)
  (ADDRESS =
    (COMMUNITY = desktopspx.sample)
    (PROTOCOL = SPX)
    (Service = oracle-int)
  )
)
)
<EOF>

```

- k. Reboot your system.
- l. Install Oracle SQL*Plus v3.9 if available. Run the Oracle installer that was placed in the "Oracle" group in the Program Manager. At this point check that you can connect to an Oracle database with SQL*Plus.
- m. Install any additional PC front-end/development tools; i.e., Q+E Database Editor, ODBC drivers, etc. Each software package will have detailed instructions for installing and configuring the product. Pay special attention to instructions regarding Oracle database connection. Check that you can log on to the Oracle database.
- n. Run the ODBC control panel option and add a data source for your Oracle server. For information about using the ODBC control panel option, see the online help. You should now be able to run the ODBC Oracle driver to establish a connection with your Oracle server.

Tracing and Logging Overview.

Tracing and logging provide a means for the database user to record transactions. Logging is done automatically and occurs only when SQL*Net encounters errors. These errors are written to a log file by the Log Facility. By default on Windows, the log files are generated in the \NETWORK\LOG subdirectory under the Oracle home directory in a file called "SQLNET.LOG". Tracing, on the other hand, has to be turned on explicitly through a configuration parameter. The trace facility produces a detailed sequence of statements that describe events as they are executed and are not limited to just reporting errors. Tracing provides additional information about events prior to an error. The Trace Facility is typically turned on during the occurrence of an abnormal condition when the log file does not provide a clear indication of the cause.

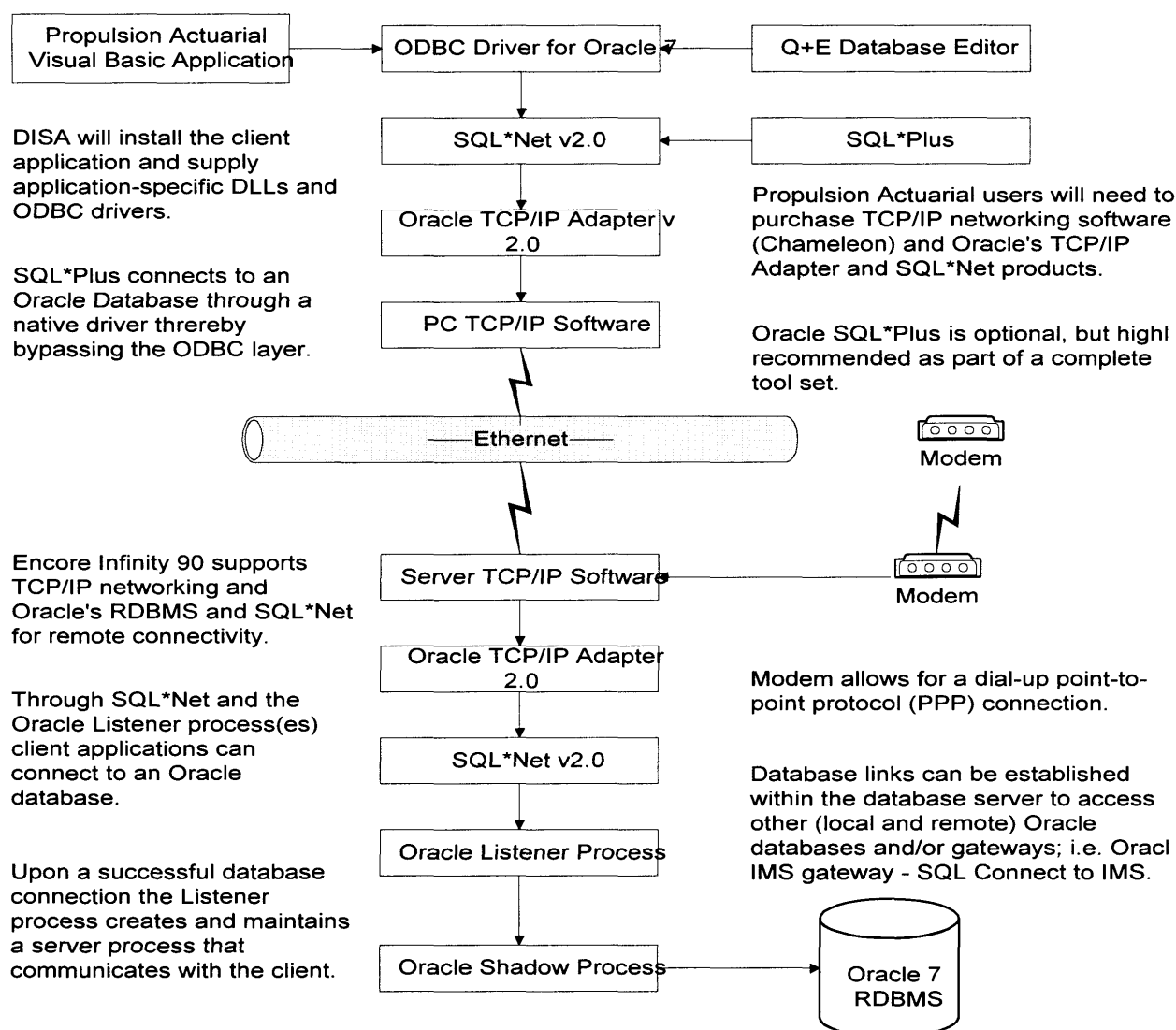
For SQL*Net version 2 tracing is turned on through parameters in a file called "SQLNET.ORA." By default under Windows, this file exists in the \NETWORK\ADMIN subdirectory under the Oracle home directory. Tracing is currently OFF.

By default under Windows, the trace files created in the \NETWORK\TRACE subdirectory under the Oracle home directory in a file called "SQLNET.TRC".

The PACS has two general types of processes: user processes and Oracle processes. Figure E-1 describes this architecture.

3. Architecture and Protocol.

The PACS has two general types of processes: user processes and Oracle processes. Figure E-1 describes this architecture.



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Figure E-1. PACS Configuration

A user process executes the application program (Visual Basic PACS application). This process also manages the communication with the server process (described below) through the program interface. The program interface includes the TCP/IP communications software (Frontier or Netmanage) and SQL*Net, Oracle's interface to standard communications protocols. SQL*Net supports communication on all major network protocols.

Oracle on the database server consists of instances and processes. Each Oracle instance consists of a set of background processes. These processes are responsible for database I/O, Log writing, database checkpoints, system and process monitoring, locking and networking. The network process is the Oracle listener. See the Oracle 7 TMServer Concepts Manual for an excellent description of the Oracle Server architecture.

4. CLIENT APPLICATION.

The application is actually composed of many Visual Basic projects, one for each report or subsystem, the Crystal Reports report files and the Oracle stored procedures. The application references the forms and subroutines of each individual project that makes up the system.

The help files were created using WinWare Visual Help, but the source files allow modification by any windows help generator. The help files are compiled using the help compiler supplied by Visual Basic.

This code management configuration made it possible for multiple developers to work concurrently on the application and allowed for unit testing. Final integration testing involved merging each tested unit and project into one main application project from which an executable program could be produced.

4-1. Visual Basic Project.

To create an application with Visual Basic, a developer works with projects. A project is the collection of files used to build an application. As the application is developed the project manages all the different files created. A project consists of

- one file for each form (.FRM)
- one file for each code module (.BAS)
- one file for each custom control (.VBX)
- one project file that keeps track of all the components (.MAK)
- one Dynamic Link Library for each procedure library (.DLL)

The project file does not contain any form or code modules; instead, it lists all the files associated with a particular project. In the case of the PACS, the PACS project keeps track of each file associated each individual report/special function project.

When all the forms and code module files for a project have been created they can be converted into an executable file (.EXE). This is not a true executable file since the project still requires the .VBX and .DLL files to run on the client.

4-2. Forms.

Forms have a .FRM file-name extension. They contain graphical descriptions of the form and its controls, including their property settings. They also contain form-level declarations of types, constants, variables, and external procedures; subroutines that handle events; and general procedures.

4-3. Modules.

Code modules have a .BAS file-name extension. They contain global- or module-level declarations of types, constants, variables, external procedures, and global procedures.

4-4. Custom Controls.

Custom controls have a .VBX file-name extension. They contain the information Visual Basic needs to provide new controls in the Toolbox. Q+E MultiLink/VB is a software package that adds custom database controls and functions to Visual Basic. Specifically, MultiLink/VB attaches custom controls to VB's Toolbox and installs functions in the VB project file. These controls and functions allow the demonstration system to query the Oracle Server quickly and easily. MultiLink/VB includes the Database Manager utility to build and maintain database tables.

4-5. Crystal Reports.

Crystal Reports is a COTS report designer/generator. There is no actual source code for a report, just a report file that contains the tables required, table join relationships, output grouping, output format, and selection criteria. The PACS application connect control calls Crystal Reports using the selection criteria entered by the user during the application. The report is output to a separate window. Maintainers should be careful when changing reports, since the columns and default fonts are tightly integrated.

4-6. Oracle Stored Procedures.

Oracle stored procedures, which are invoked from the Visual Basic application, are written in Oracle PL/SOL Language. These procedures are actually executed on the database server, and will generally populate a temporary table to product a report, or process user edits to the G352 table. The Visual Basic application interfaces with the Stored Procedures using Q+E MultiLink/VB.

4-7. Installing the Client Application.

The application software is delivered on a set of 3.5" disks. The following are the steps required to install the application.

Insert disk #1 into the correct disk drive.

From Windows program manager, run "setup.exe"

example: A:\setup.exe

The setup program will begin.

A dialog box will appear, requesting an application directory. The default is "c:\cems." You may accept this or enter another directory.

An error message may appear stating that "SETUPKIT.DLL is in use..." Select "IGNORE" and continue the installation.

Following the completion of the setup program, some files must be moved in order for the application to correctly execute. Use the Windows File Manager or the DOS command line to move the following files.

Move c:\cems*.lic TO c:\windows\system.

Move c:\cems*.xtd TO c:\windows\system.

Move c:\cems\qetxt.ini TO c:\windows.

Move c:\cems\odbc.ini TO c:\windows.

Change the attribute of the file odbc.ini to "READ-ONLY."

NOTE: If an odbc.ini already exists in that directory (other than one from a previous Propulsion ACS installation), do not overwrite it. These files must be merged. Otherwise, other applications already installed on your system may have ODBC connectivity problems. The setup program does NOT automatically add the new ODBC driver information to an existing odbc.ini file. Do so by using the ODBC Administrator software in Windows or manually, using a text editor. The former method is preferable.

4-8. Client Application Installed Files.

The following files are installed to the C:\CEMS directory. These are the Visual Basic application (.EXE), the help file (.HLP) and the Crystal Report files (RPT):

ARI_1.RPT

CEMS.EXE

PACS_ACS.HLP

ERF_3.RPT

LOGIN.BMP

MGMTDPER.RPT

MGMTSUM.RPT

OFR_DI_M.RPT

OFR_EXPM.RPT

TO 00-25-254-2

OFR_FA_M.rpt
OFR_M.RPT
RELIAB.RPT
RELY_GRF.RPT
REM_SUM.RPT
RRT_IKH.RPT
RRT_DTAL.RPT
RRT_SUM.RPT
TOP5.RPT

The following are Visual Basic controls and Dynamic Link Libraries installed to the C:\WINDOWS\SYSTEM directory:

CTL3D.DLL
CTL3DV2.DLL
GRAPH.VBX
GSW16.EXE
GSWAG16.DLL
GSWDLL.DLL
GSWDLL16.DLL
MSABC110.DLL
SETUPKIT.DLL
THREED.VBX
TOOLHELP.DLL
VBDB300.DLL
VBRUN300.DLL
GRAPH.LIC

The following are Crystal Report Writer files installed to the C:\WINDOWS\SYSTEM directory:

BWCC.DLL
COMMDLG.DLL
CRBAS04.DLL
CRFLT04.DLL
CRGU103.DLL
CRLIB.DLL
CRMDS04.DLL
CRORA04.DLL
CRPE.DLL

CRSQL03.DLL
CRTXT04.DLL
CRUTL04.DLL
CRXLATE.DLL
PDSODBC.DLL
PDSORACL.DLL
PG.DLL
UXDDISK.DLL
UXDMAPI.DLL
UXDVIM.DLL
UXFCR.DLL
UXFDIF.DLL
UXFDOC.DLL
UXFQP.DLL
UXFREC.DLL
UXFRTF.DLL
UXFSEPV.DLL
UXFTEXT.DLL
UXFWKS.DLL
UXFWORDW.DLL
UXFXLS.DLL
CRYSTAL.VBX
WORDDOS.XTD
WPERFECT.XTD

The following are QuickPak Professional files installed to the C:\WINDOWS\SYSTEM directory:

QPR0200.DLL
CSTEXT.VBX
CSCMD.VBX
CSDIALOG.VBX

The following is the VBAssist file installed to the C:\WINDOWS\SYSTEM directory:

VBALINK.DLL

The following are ODBC and Oracle files installed to the C:\WINDOWS\SYSTEM directory:

DBNMP3.DLL
DRVORACL.HLP
ODBC.DLL
ODBCCURS.DLL
ODBCINST.DLL
ODBCINST.HLP
ORACLE.TXT
ORASETUP.DLL
PDSODBC.DLL
SQORA7.DLL
WBTRCALL.DLL

The following are Q+E MultiLink/VB files installed to the C:\WINDOWS\SYSTEM directory:

QMBAS04.DLL
QMBLB.DLL
QMGU103.DLL
QMMDS03.DLL
QMMDSO4.DLL
QMOR704.DLL
QMORA03.DLL
QMSQL03.DLL
QMUTL03.DLL
QMUTL04.DLL
QEMLRUN.LIC
QELINK.VBX

The following are Windows initialization files installed to the C:\WINDOWS directory: ODBCINI

4-9. Configuration Files.

There are a few configuration and initialization files that are important to the client application:

ODBCINI - located in the C:\WINDOWS directory. If one does not exist, then copy the file from the \CEMS directory.

This is the initialization file for the ODBC drivers. This file must contain the following:

[ODBC Data Sources]
Oracle7=Q+E ML Oracle7
CEMS System=Oracle7

QE6_Oracle7=Q+E Version 6

[Oracle7]

Driver=C:\WINDOWS\SYSTEM\QMOR704.dll

ServerName=cems

LogonID=*your_Oracle_database_username_here*

Description=CEMS Client/Server Application

Servers=

LockTimeOut=

ArraySize= [QE6_Oracle7]

Driver=C:\WINDOWS\SYSTEM\QEOR704.dll

ServerName=cems

LogonID=SY STEM

Description=

Servers=

QeExtraFunctions=ADD_MONTHS(),CHARTOROWID(),CONVERT(),DECODE(),DUMP(),G
REATEST(),HEXTORAW(),INITCAP(),LAST_DAY(),LEAST(),LPAD(),MONTHS_BETWEE
N(),NEW_TIME(),NEXT_DAY(),NLSSORT(),NVL(),POWER(),RAWTOHEX(),ROUND(),RO
WIDTOCHAR(),SOUNDEX(),STDDEV(),TO_CHAR(),TO_DATE(),TRANSLATE(),TRUNC(),
UID(),USERENV(),VSIZE(),VARIANCE()

[CEMS System]

Driver=C:\WINDOWS\SYSTEM\sqora7.dll

Description=Oracle7 ODBC Driver

Server=cems userID=system

These are used for the application and Crystal Reports to attach correctly to the database.

Additionally, to ensure the auto-login function for Q+E works properly, the default source must be set to Oracle7 in Q+E. To accomplish this;

Select TOOLS from the menu at the top of the screen.

Select OPTIONS from the dropdown menu.

Select the file card, START UP.

Under DEFAULT SOURCE select Oracle7.

TNSNAMES.ORA - located in the C:\ORAWIN\NETWORK\ADMIN directory. Make sure that there is only one of these files on the system. Keep a backup of the file as TNSNAMES.BAK.

#

#

TNSNAMES.ORA

#

```
#
cems=
  (DESCRIPTION=
    (ADDRESS=
      (PROTOCOL=TCP)
      (PORT=1521)
      (HOST=DISOI1))
    (CONNECT-DATA=
      (SID=CEMS)))
```

DISOI1 must be set to point to the HP 9000 Infinity.

4-10. Windows95 Installation Notes.

Although the PACS application was not developed in a Windows95 environment and is not currently supported as such, it has been successfully installed and used under Windows95. The following notes may be of use in installing and using the application in Windows95.

The first step is to install the necessary Oracle software pieces. This process is greatly facilitated by using the Oracle installation CD-ROM. Run the install program on the CD and select for installation the four packages that follow:

- TCP/IP Adapter
- SQL Net 2.0
- SQL Plus
- Required Support Files

When prompted for "Which TCP/IP vendor software?," the best selection is Frontier SuperTCP. You may then be prompted that "Install detects that TCP_VENDOR is missing or incorrect. Would you like the installer to make necessary changes?." Select OK. Continue to select defaults throughout the installation process.

Note that some difficulties have been experienced with the incorrect TCP_VENDOR selection with certain selections (notably with Microsoft TCP/IP 1.0). If you experience difficulties at the end of all installation processes, check the ORACLE.INI file to ensure that TCP_VENDOR = WINSOCK. If this is not the case, you may make a manual change to this file; however, the appropriate mwinsock.dll must be found in the ORAWIN\BIN directory.

Next install the Q+E software. This is fairly straightforward by accepting default prompts.

Finally, it is time to install the PACS application itself. This process should follow the same procedures as on any Window 3.x machine. You must ensure that the ODBC.INI file is correctly copied into the Windows directory and that the tnsnames.ora file is correctly modified and placed in the appropriate directory.

After all of this is accomplished, if there is a problem connecting to the PACS database, follow the steps in section 6-4 of this manual.

5. Data.

5-1. Data Sources.

Data for the PACS relational database comes primarily from the G352 file. Other data sources include the K002 file, E132, the Base Accounts, and Official Fail Rates.

All script files are in /u07/pacs/pacscripts on the database server. For a more detailed description of loading and transferring the source data, see Section 6.

Table E-1. Data Sources

Data Source	Script Name	Frequency
G352 Actuarial History	g352load g352procs	Quarterly
E132 Tracked Parts Actuarial Data	e132load e132prep	Quarterly
F120 F100 TCTO Data	f120f100load f120f100prep	As Needed
K002 Forecasted Flying Hours	k002load k002prep	3 per year
Base Accounts	baseacctload baseacctperiod	Monthly
Master Grouping	ce101rseload	Quarterly
Actuarial Master	actmastload	As Needed

5-2. Data Load Utility.

The data load utility (SQL*Loader) is a product for moving tables from external data, such as G352 files, into Oracle tables, such as ACT-HISTORY (which is a 1:1 mapping of the G352 table). The PACS system uses this utility to load data from the external files into the appropriate tables. See the *Oracle 7™ Server Utilities User's Guide* for further details on the loader. Figure 5-1 shows the load procedure.

5-3. Database Description.

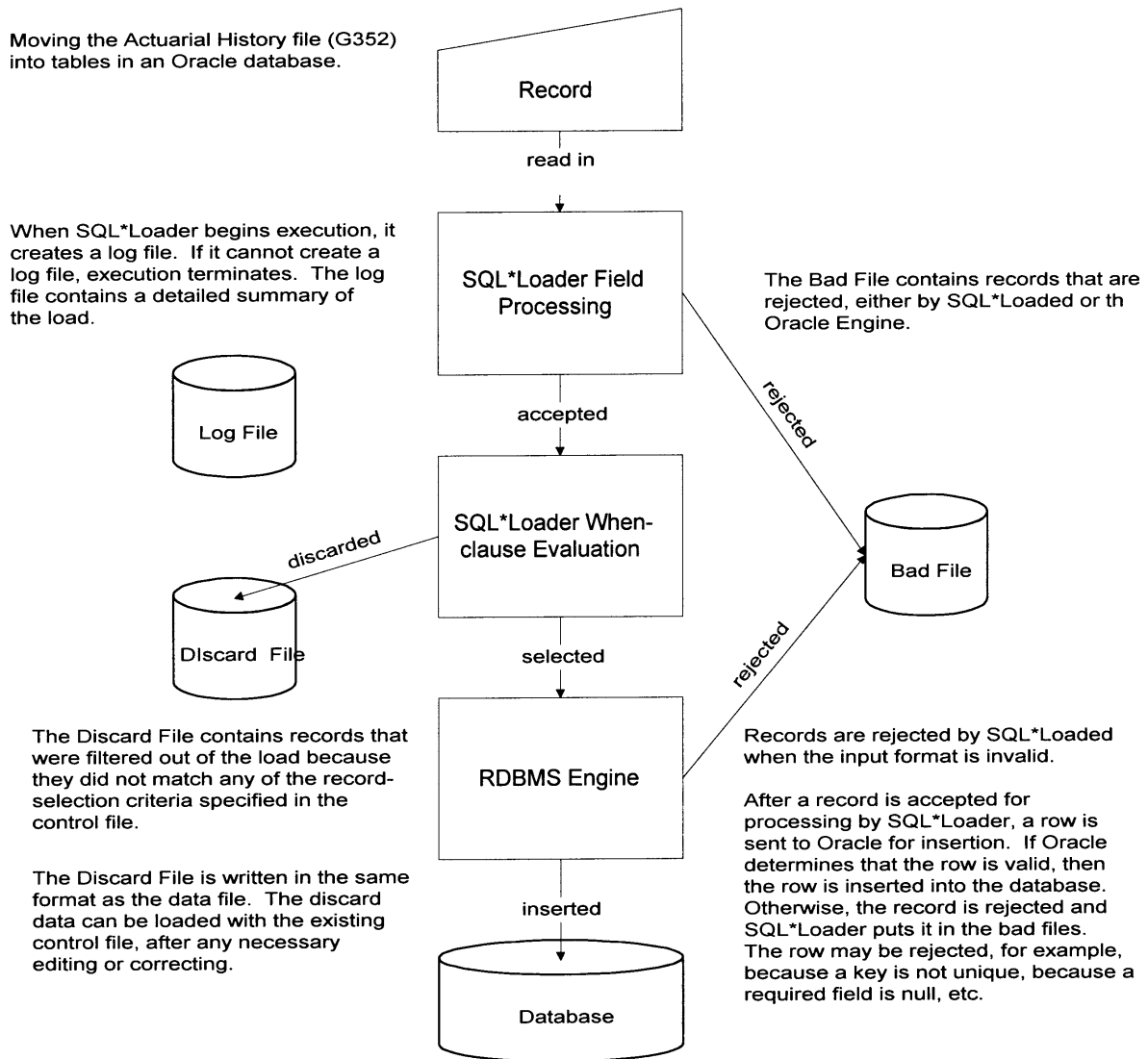
The data is organized in a relational database made up of tables and views rather than a single file. This provides for easier data management, ad hoc reporting, and flexible data access.

Several virtual tables (views) have been created to simplify data retrieval and to provide a certain amount of logical data independence in the face of restructuring in the database. Views allow the same data to be seen by different users in different ways and provide a simple but effective mechanism for access control. Refer to *Database Dictionary For Propulsion Actuarial C/S Application* for a complete description of the database.

6. User Instructions.

This section provides instructions for using the PACS. The user will also want to refer to procedures provided by the DMC OKC Oracle system administrator for instructions regarding:

- log-in to the server,
- use of the server, or
- use of client specific windows and communications software.



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Figure E-2. PACS Database

6-1. Data Loading.

The PACS accommodates loading of the following CEMS data files into an Oracle relational database:

- G352 Actuarial History
- E132 Tracked Parts Actuarial Data
- F120 F100 TCTO Data
- K002 Forecasted Flying Hours
- Base Accounts
- Master Grouping Table (ce101rse)
- Official Failure Rates (cc101rsf)

When Data Loads are completed. Using FTP move the file(s) from the HP9000 to CEMS02\D:\PACS Data directory. Select the appropriate directory and add the file(s) to the current year zip file. Delete file(s) from the HP9000.

6-2. General Instructions.

In general, personnel responsible for each of the data files will transfer those files (listed above) to the directory "/u07/pacs/pacs_data" on the HP 9000 server. From there, the database administrator or other designated personnel will execute Oracle load scripts that will load data into Oracle tables. Some of the data files are loaded into temporary tables and are then preprocessed before loading into production tables. For those files, the database administrator or other designated personnel will perform pre-processing as necessary to load the data into the production PACS database.

The following sections describe specific procedures for loading each of the data files. These procedures assume that the user has necessary access privileges, has logged onto the server, and is familiar with the use of Oracle RDBMS.

6-3. SQLDRIVER.

The script "sqldriver" may be found in the /u07/pacs/pacscripts directory. It provides a quick way of executing an SQL stored procedure in background mode. It is used for several load procedures. It accepts several parameters. The first is always the name of the script to be executed. The second is always the password for the userid with which sqldriver connects to Oracle. Additional parameters are procedure-specific and are defined in the respective sections of this document.

SQLDRIVER invokes Oracle's SQL*Plus, logging on as the user defined in the script with the password provided by the user as the second parameter. Oracle SQL*Plus then attempts to execute the SQL script identified in the first parameter.

SQLDRIVER creates an output file with the name of the script plus an extension of ".lst." baseacctperiod.lst, for example, would contain the results of an execution of the script baseacctperiod. Review this file to check for problems encountered during execution.

6-4. Base Accounts.

Monthly base account information is loaded as follows:

- Change directory to the "pacscripts" directory by typing "cd/u07/pacs/pacscripts <return>."
- Execute the load script by typing "/u07/pacs/pacscripts/baseacctload <pacs_admin password> <filename> <return>." <filename> is the name of the Base Account file that the user is loading.
- The user may need to correct load errors, so the script creates an error LOG. TO VIEW THE ERROR LOG, THE USER WILL ENTER CAT BASEACCT.LOG PG <return>. The user will correct errors shown in the log by updating the Oracle tables using the SQL*Plus tool.
- Perform pre-processing by entering ./sqldriver baseacctperiod <pacs_admin password> <yr> <mo>. <yr> and <mo> is the year and month corresponding to the Base Account data being loaded. <yr> is typed as a four digit number, e.g., 1994", and <mo> is typed as a two digit number, e.g., "03."
- Monitor the sqldriver log file "/u07/pacs/pacscripts/baseacctperiod.lst" to determine whether the procedure ran successfully.
- FTP the current Base Accounts file(s) using the procedures outlined in paragraph 6-1.

6-5. G352 Actuarial History Load.

Having established a terminal session on the HP 9000 server, the G352 Actuarial History Data is loaded as follows:

- Disable the trigger "ah-mods." Although the load will execute with the trigger enabled, it will take significantly longer to do so. To disable this trigger, open an SQL*Plus session and type the command "alter trigger ah-mods disable;" followed by a carriage return. Oracle will respond that the trigger has been altered. (Note: you must be logged on a pacs_admin to perform this function.)
- Exit SQL*Plus.
- Change directory to the "pacscripts" directory by typing "cd/u07/pacs/pacscripts <return>."

- d. Execute the load script by typing "g352load <pac_admin password> <filename> <return>". <filename> is the name of the G352 Actuarial History file that the user is loading. (Note: be sure to load both OC and SA files.)
- e. The user may need to correct load errors, so the script creates an error log. To view the error log, the user will enter cat act_hist.log | pg <return>. The user will correct errors shown in the log by updating the temporary Oracle tables using the SQL*Plus tool.
- f. The G352 Actuarial History Data requires additional pre-processing which is invoked by entering ./sqldrdriver g352procs <pac_admin password><yr><qtr><return>.<yr> and <qtr> is the year and quarter corresponding to the G352 Actuarial History Data being loaded. <yr> is typed as a four digit number, e.g., "1998," and <qtr> is typed as a one digit number, e.g., "3."
- g. Enable the trigger ah-mods." To enable this trigger, open a SQL*Plus session and type the command "alter trigger ah-mods enable; followed by a carriage return. Oracle will respond that the trigger has been altered.
- h. Monitor the log file /u07/pacs/pacscripts/g352procs.lst" to determine whether each of the stored procedures listed in 6.1.4.2 through 6.1.4.8 ran successfully.
- i. FTP the current G352 file(s) using the procedures outlined in paragraph 6-1.

6-6. G352 Preprocessing - General.

The script "g352procs.sql" contains a list of commands or stored procedures that are executed from the SQL*Plus command line. When invoked by SQLDRIVER these commands are automatically issued and the user need not be concerned with them individually. At times, however, it may be necessary to execute one or more of these individually from the SQL*Plus command line. The following list briefly describes the purpose and use of each stored procedure.

6-7. G352 Preprocessing - Process Change Records.

Stored procedure: pac_admin.cems_convert("YYYY,"Q")

Each g352 datafile contains records that hold corrections to records in previous quarters. These are known as "change records." This procedure examines each of these change records, determines the action to be taken, and applies the changes to the database. The changes may include correction to existing records or insertion of new removal records.

All changes made to the database by this procedure are recorded in the table PACS_ADMIN.CONVERSION_LOG. This table may be viewed with the Q+E Database Editor.

6-8. G352 Preprocessing - Determine Level of Maintenance.

Stored procedure: pac_admin.lm_main("YYYY","Q")

Engines are maintained under either a 2-level or 3-level system. The raw G352 data does not indicate an engine's level of maintenance or the level of maintenance required for a specific removal. This procedure examines the database to determine both of these.

Two other stored procedures are called by pac_admin.lm_main:

pac_admin.lmprocess_sran_level_2("YYYY","Q")

This procedure determines the level of maintenance for that engine at the particular SRAN. It modifies the field act_history(msys), setting it to either "2LM" or "3LM". Two user-supported tables provide input to this procedure: PACS_ADMIN.LM_SRAN_TO_2LM and PACS_ADMIN.LM_PROGRAM_TO_2LM. These tables indicate when any TMSM at a particular SRAN began (and ended) two-level maintenance and when a program (TMSM) first entered two-level maintenance respectively.

pac_admin.lm_rocess_base_accounts("YYYY","Q","BASE_ACCT_MNTHS," "ACT_HIST_QTRS")

This procedure finds all records in the pac_admin.base_accounts table that indicate an engine being shipped to a 2-Level Depot for maintenance, regardless of the system of maintenance under which that particular engine is maintained. It then locates and appropriately modifies the corresponding removal record in pac_admin.act_history. All modifications are recorded in

`pacs_admin.lm_update_log`. This table may be viewed via any database query tool by any user with sufficient privileges. Of the four parameters passed to this procedure, two require further explanation.

BASE_ACCT_MNTHS - The total number of months of base accounts records to examine, beginning with the first month of the period (YYYYQ). The default value is 3 months (1 quarter).

ACT_HIST_QTRS - While processing the act-history records, the procedure may be unable to locate a removal record in the current quarter and will refer to a previous quarter's data. This value is the maximum number of previous quarters that the procedure will search before giving up. The default value is 11 quarters but for 2LM engines, will not extend back beyond the point at which that program (engine) entered two-level maintenance.

Note: The base_accounts records for a period must be loaded BEFORE the 2lm-3lm conversion can be accurately processed.

6-9. G352 Preprocessing - Summary of Engine Removals.

Stored procedure: `pacs_admin.engrem("YYYY," "Q")`

This procedure prepares the data for the Summary of Engine Removals report for the current quarter. This data is inserted into intermediate tables for subsequent access.

6-10. G352 Preprocessing - Management Summary.

Stored procedure:

`pacs_admin.mgmtsum("YYYY","Q")`

This procedure prepares the data for the Management Summary Removals report for the current quarter. This includes totals, fiscal year totals and the rolling 4-quarter average information. This data is inserted into intermediate tables for subsequent access.

6-11. G352 Preprocessing - Official Fail Rates.

Stored procedure:

`pacs_admin.ofrmain("YYYY","Q")`

This procedure gathers raw data for subsequent processing for the Official Fail Rates procedures. This data includes failures and removals for each act_combination.

6-12. G352 Preprocessing - Removal Reason and Trend.

Stored procedure:

`pacs_admin.rrt_prepare("YYYY","Q")`

This procedure prepares the data for the Removal Reason and Trend Report for the current quarter. This data is inserted into intermediate tables for subsequent access.

6-13. G352 Preprocessing - Engine Reliability.

Stored procedure:

`pacs_admin.eng_rely("YYYY","Q")`

This procedure prepares the data for the Engine Reliability Report for the current quarter. This data is inserted into intermediate tables for subsequent access.

6-14. Master Grouping Table (ce101rse).

The Master Grouping data is loaded as follows:

- a. This table is used by several components of the C/S application. Ensure that no users currently using the application.

- b. The tables `engine_tms`, `master_mgmt` and `mgt_data_per_intervals` are derived from the `master_grouping` table and are updated through the use of database triggers.

Triggers are processes that are executed automatically when their own table is accessed. It is important to remove records in such a manner that the triggers fire and update their respective tables.

To remove the records currently in the table `master_grouping`, issue the command *delete from master_grouping* while in SQL*Plus. Do not use the *truncate* command as the triggers associated with this table will not fire when it is truncated.

- c. Exit SQL*Plus and begin a session (if necessary) on the host (HP 9000).
- d. Change directory to the "pacsripts" directory by typing "`cd/u07/pacs/pacsripts<return>.`"
- e. Execute the load script by typing "`./ce101rseload <system password> <filename> <return>.`" `<filename>` is the name of the Master Grouping data file being loaded.
- f. The user may need to correct load errors, so the script creates an error log. To view the error log, the user will enter `pg ce101rse.log <return>.` The user will correct errors shown in the log by updating the Oracle tables using SQL*Plus or Q+E Database Editor.
- g. FTP the current Master Grouping Table file(s) using the procedures outlined in paragraph 6.1.

6-15. K002 Forecasted Flying Hours.

The K002 Forecasted Flying Hours data file may be loaded into the database with the following steps.

- a. K002 data is loaded into a temporary table. From there it is processed and loaded into tables used by the application. Before loading a new k002 data file, remove the data from the temporary table.

In SQL*Plus use the following command.

```
SQL>truncate table pacs_admin.k002_stage;
```

Note that truncate performs a non-recoverable delete from the database. Use it carefully.

Refer to the ORACLE 7 SQL Language Reference Manual for details on this command.

- b. At the UNIX command line, change directory to the pacsripts" directory by typing "`cd/u07/pacs/pacsripts <return>.`"
- c. Execute the load script by typing "`./k002load <system password> <filename> <return>.`" `<filename>` is the name of the K002 file that the user is loading.
- d. The user may need to correct load errors, so the script creates an error LOG. TO VIEW THE ERROR LOG, THE USER WILL ENTER `CAT K002.LOG | pg<return>.`" The user will correct errors shown in the log by updating the temporary Oracle tables using the SQL*Plus tool.
- e. The K002 Forecasted Flying Hours data requires additional pre-processing which is invoked by running (from pacsripts) `SQLDRIVER k002prep password PA_NAME yyyy` or from `SQL*PLUS.SQL>EXEC build _K002_ari ("pa_name","yyyy")`.
- f. FTP the current K002 file(s) using the procedures outlined in paragraph 6.1.

6-16. E132 Tracked Parts Actuarial Data.

E132 Tracked parts data may be loaded under two circumstances. The first case is when a new quarter of data has been generated from the mainframe. The second case is the event that an authorized user requests that a previous quarter of e132 data be loaded into the database.

CASE #1: A new file is being loaded.

- a. If a backup of the data currently in the e132 table has not been created, do so by following these steps.
 - (1) Create an export file of the e132 table. When users request that a previous quarter's data be loaded, this file or another like it will be used. See the next section for more information.

- (2) From the UNIX command line, run the e132exp script to invoke the EXPORT utility. This script requires 2 parameters, the “system” password and the name of the file to be created. A descriptive name such as the following is recommended.

e132_YYYY_Q.dmp

where YYYY = fiscal year and Q = fiscal quarter

example: “./e132exp >pacs_admin

password> <filename><return>”

Refer to the ORACLE 7 Server Utilities Users Guide for more information regarding the export utility.

- b. Remove the data from the current table.

In SQL*Plus use the following command:

SQL>truncate table pacs_admin.e132;

Refer to the ORACLE 7 SQL Language Reference Manual for details on this command.

- c. Load the new data.

Due to the size of the typical E132 file, it is more efficient to load the data and assign the current year and quarter simultaneously. There are three steps in this process.

- (1) Change directory to the “pacscripts” directory by typing “cd/u07/pacs/pacscripts<return >.”
- (2) Modify the /u07/pacs/pacscripts/e132.ctl file. Change the CONSTANT values for “yr” and “qtr” to those

For example, the e132 product generated in December of 1994 would have a yr of “1995” and a quarter of “1.” Use vi or a text editor on your PC to modify the e132.ctl file.

e132.ctl (BEFORE)

```
LOAD DATA
INTO TABLE pacs_e132
(
  yr CONSTANT "9999,"
  qtr CONSTANT "9,"
  cii POSITION(1:7)CHAR "NVL(:cii,)",
  serial_no POSITION(8:17) CHAR "NVL(:serial_no,)",
  part_no...
```

e132.ctl (AFTER)

```
LOAD DATA
INTO TABLE pacs_e132
(
  yr CONSTANT "1995,"
  qtr CONSTANT 1,
  cii POSITION(1:7)CHAR "NVL(:cii,)",
  serial_no POSITION(8:17) CHAR "NVL(:serial_no,)",
  part_no...
```

No other changes should be made to this file

- (3) Execute the load script by typing `./e132load<pac_admin password>
<filename><return>.<filename>` is the name of the E132 Tracked Parts data that the user is loading.
 - (4) The user may need to correct load errors, so the script creates an error log. To view the error log, the user will enter `cat e132.log\.\` To view the error log, the user will enter `cat e132.log\pg <return>.` The user will correct errors shown in the log by updating the Oracle tables using SQL*Plus or Q+E Database Editor.
- d. Create an export file of the e132 table. When users request that a previous quarter's data be loaded, this file or another like it will be used. See the next section for more information.

From the UNIX command line, run the `e132export` script to invoke the EXPORT utility. This script requires 2 parameters, the system" password and the name of the file to be created. A descriptive name such as the following is recommended:

`e132_YYYY_Q.dmp`

where YYYY = fiscal year and

Q = fiscal quarter

example: `./e132exp<pac_admin password><filename><return>`

Refer to the ORACLE 7 Server Utilities Users Guide for more information regarding the export utility.

CASE #2: Loading a previously-exported file.

The amount of data per quarter in the e132 file makes storing multiple quarters in the database problematic. Query response time increases greatly. Therefore, only one quarter of data is kept in the database at any given time.

- a. Following the loading of the data currently in the e132 table, an export file should have been created. Confirm that such an export file was been created. If it has not, create one using the procedure described above.
- b. Remove the data from the current table.

In SQL*Plus use the following command.

`SQL>truncate table pac_e132;`

Refer to the Oracle 7 SQL Language Reference Manual for details on this command.

- c. Load the data file.

Change directory to the "pacscripts" directory by typing `cd/u07/pacs/pacscripts <return>.`

From the UNIX command line, run the `e132import` script to invoke the IMPORT utility. This script requires 2 parameters, the "system" password and the name of the file to be imported.

example: `./e132impt<pac_admin password><file name>`

Refer to ORACLE 7 Server Utilities Users Guide for more information regarding the export utility.

6-17. F120 F100 TCTO Data.

The F120 F100 TCTO Data file is created quarterly. Only the most current quarter of data is kept on the database. Each quarter, the f120 data in the PACS database is backed up by using the Oracle export utility. Then the f120 table is truncated (emptied) and the indexes are dropped. The Oracle loader utility is invoked to load the new data and then the f120 indexes are re-created.

Three UNIX shell scripts are employed to simplify the process.

The F120 F100 TCTO Data is loaded as follows:

- a. Connect to the database server using telet.

- b. Change directory to the “pacs scripts” directory by typing “cd/u07/pacs/pacs_scripts <enter>.”
- c. Execute the PRELOAD script by typing “f120preload<enter>.”

Follow the instructions in this interactive script to

- (1) (OPTIONAL) backup existing F120 Data
- (2) Delete the existing F120 Data
- (3) Drop the existing F120 Index(es)

NOTE: When prompted to view log and list files, do so to determine if an error occurred during these steps. Do not proceed with the F120 Load until any problems encountered have been resolved.

- d. Execute the LOAD script by typing “f120load <enter>.”

Follow the instructions in this interactive script to

- (1) Load the new F120 Data
- (2) (OPTIONAL) Compress the source data file

NOTE: When prompted to view log and list files, do so to determine if an error occurred during these steps. Do not proceed with the F120 Post Load until any problems encountered have been resolved.

- e. Execute the POSTLOAD script by typing “f120postload <enter>.”

Follow the instructions in this interactive script to

- (1) Set the year and quarter of the newly loaded F120 Data
- (2) Build the F120 index(es).

NOTE: When prompted to view log and list files, do so to determine if an error occurred during these steps. The load process is not complete until any problems encountered have been resolved.

- f. Log off and close the telnet session.

6-18. Official Fail Rates.

- a. Official Fail Rates (OFR) are maintained on the mainframe in CEMS. To be loaded into the PACS database, they must first be extracted and converted to a text file format. The resultant file must be transferred to the PACS data directory.
- b. In SQL*Plus remove any existing data from ofr_stage with the following:
SQL>truncate table pacs_admin.ofr_stage.
- c. Exit SQL*Plus
- d. On the server, in UNIX, change directory to the “pacscripts” directory by typing
“cd/u07/pacs/pacscripts<return>.”
- e. Execute the load script by typing “./ofrload <pacs_admin password> <filename><return>.”
This will load the raw OFR data into a temporary Oracle table.
- f. The user may need to correct load errors, so the script creates an error log. To view the error log, the user may enter (at the UNIX command line) CAT OFR.LOG | PG <return>. THE USER MAY NEED TO CORRECT ERRORS BY EITHER modifying the raw data and re-loading or editing the table pacs_admin.ofr_stage with a database editing tool.
- g. To convert the data to a more usable format, run the SQL script from SQL*PLUS: sql>ofr_convert.

NOTE: This will DELETE all ofr rates and ofr info and replace it with the contents of the temporary table.

TECH NOTE: Official Failure Rates are stored in two tables; `ofr_info`, which contains information about the rates, and `ofr_rates`, which contains the rates themselves. In some cases, the number of actual rates may be less than the number of intervals field found in `ofr_info`. When this condition is discovered by some of the stored procedures that produce reports, another stored procedure is called that attempts to correct the situation. It does this by extrapolating the rates by using the difference in the last two rates. This stored procedure may also be called directly for the same purpose. The syntax is: `extend_ofrs("act_combination," "cmd")` where "act_combination" and `cmd` are replaced with actual values. The results of this procedure are logged in the table "ofr_rates-update_log." This table may be viewed using SQL*Plus or Q+E to see changes applied to the OFR tables.

6-19. Database Tables Maintained by Actuarial Users.

While overall database maintenance is the responsibility of the DBA or application administrator, the actuarial user has a role in database maintenance. Several tables in the Propulsion Actuarial Client/Server database provide support information to the report generation processes. This information is as critical to the production of accurate reports as the raw data. These tables are to be monitored and maintained by the actuaries. While the actuaries are not required (even though they may do so) to physically modify these tables, they are responsible for ensuring that the data is current.

The following table shows each database table that is to be maintained by the actuaries, a brief description of the table and the name of the report(s) that access that table.

Table E-2. Database Tables

Table Name	Description	Accessed By
<code>pacs_ari_selections</code>	Contains display information and database keys for each option on the ARI/ FER report generation screen. Only entries in this table will appear on that screen.	ARI/FER Reports
<code>pacs_commands</code>	Contains a list of all valid Major Commands for each ALC.	Report Profile Maintenance Function of VB application.
<code>pacs_engine_tms</code>	Relates a TMS to the appropriate TMSMs. Used for selecting all TMSMs that share a TMS.	Removal Reason and Trend Report
<code>pacs_k002_prep_support</code>	Contains TMS, QPA, etc. used in processing the raw k002 file.	K002 Load and Conversion Routines (K002 data is subsequently accessed by ARI)
<code>pacs_lm_program_to_21m</code>	Contains the year and quarter that a TMSM first began 2-level maintenance.	Procedure that assigns 2LM/3LM to newly loaded G352 records.
<code>pacs_lm_sran_to_2lm</code>	Contains the year and quarter TMSM at a particular SRAN began and ended 2-level maintenance.	Procedure that assigns 2LM/3LM to newly loaded G352 records.
<code>pacs_k002_t56_mods</code>	Contains T56-Specific inventory and flying hours adjustments to be made against the k002 data after it has been loaded.	K002 Load and Conversion Routines (K002 data is subsequently accessed by ARI)
<code>pacs_logins</code>	Contains all application users ID, default ALC, and access levels.	Propulsion ACS Application

Table E-2. Database Tables - Continued

Table Name	Description	Accessed By
	For security reasons, only the DBA or Application Administrator may update this table. Contact either of these persons to request changes.	
pacs_mgt_data_per_intervals	Contains the SPECIAL interval sizes and number of intervals used on the management data period report.	Management Data Period Report
pacs_ofr_info	Contains all OFR information (except rates) that is loaded from CEMS. Note: While this table is loaded by SDA, it may be updated as needed by the actuaries.	ARI, OFR
pacs_ofr_rates	Contains OFR Rates loaded from the CEMS system. Note: While this table is loaded by SDA, it may be updated as needed by the actuaries.	ARI, OFR
proj_ari_support_data	Contains several data items required by the ARI program.	ARI/FER Reports
pacs_removal_class	Contains each How-Mal Code and its "removal class." (SCHEDULED, UNSCHEDULED, NON-USAGE) Note: An H-M Code must have an entry in removal_class, removal_reason, and removal_subgroup before the view "hm_codes" will select it.	Removal Reason and Trend Report (via the view "hm_codes"). Engine Reliability Report (via the view "hm_codes"). Summary of Engine Removals Report
pacs_removal_reason	Contains each How-Mal Code and its description or title.	Removal Reason and Trend Report (via the view "hm_codes")
pacs_removal_subgroup	Contains each How-Mal Code and its functional subgroup as defined for the Removal Reason and Trend Report.	Removal Reason and Trend Report (via the view "hm_codes")

NOTES:

Table names do not include the schema name, as this may be subject to change. The original schema name was "system." Check with the DBA or Application Administrator for the correct schema name.

Some reports access tables through views rather than directly. This does not reduce the importance of maintaining these tables. Maintenance is performed on the table, not the view.

There are other tables, such as act_history or e132 that may be modified by the actuaries but they are primarily supported through database loads and stored procedures.

Updating application tables should be done with great caution. Be sure that you fully understand the database tool being employed as well as the use of the table itself. Sometimes, a table may be used in a

manner unexpected by the actuarial-user. If there are any questions or concerns pertaining to this, contact the DBA or Application Administrator. It is a lot easier to answer a question than to try and rebuild or reload lost data!

6-20. Client Application.

The PACS application that resides on the client Windows PC is a Windows application developed using Microsoft Visual Basic and other tools as described in previous sections of this manual. Instructions provided here for use of this application assume that the user is familiar with use of Windows and Windows type applications.

The application is launched by double-clicking on the icon corresponding to the PACS application. The following sections describe the use of the application in the areas indicated by the section heading.

6-21. Help.

Help is available on all screens in the application. The user can select the HELP button on the screen or use the F1 key to get context-sensitive help. The HELP button is identified by a question mark along with text.

6-22. Login.

The user logs in by entering the information required by the screen shown in Figure 6-1. The user will enter user name and password as assigned by the users system administrator. After the entries are made, the user selects the "OK" button or presses the key.

6-23. Periodic Reports.

The Main Menu screen provides a button entitled "Periodic Reports." When the user clicks on this button, a submenu is displayed that allows selection of one of the following reports:

- Removal Reason Summary
- Management Summary
- Management Data Period
- Official Failure Rates
- Actuarial Removal Interval
- Removal Reason Summary and Trend
- Forecasted Engine Removals

When the user selects one of these reports, a screen is displayed that allows the user to enter data or make selections specific to that report. The following paragraphs describe how to produce each report.

6-24. Generating Actuarial Reports.

Refer to the following for instructions in generating specific reports.

6-25. Removal Reason Summary Report.

When the user selects either the "Removal Reason Summary," "Management Summary" or "Management Data Period" reports from the Periodic Reports Submenu, the user may indicate the desired ALC (Oklahoma City or San Antonio) by selecting the corresponding button. The default value is determined by the entry for that user in the "logins" table in the database.

A pull-down list displays all available reporting periods. Select one by clicking on the down arrow and then clicking once on the desired period.

Due to the size and complexity of these reports, most of the data is preprocessed. Stored procedures process each periods data, calculating values that will be displayed on the report. The results of this processing are then stored in database tables that are more rapidly accessible by the reporting tool (Crystal Reports) thereby reducing response time. This form displays information about the most recently preprocessed data. If the user selects a reporting period other than the current one, the stored procedure to preprocess it will be executed, requiring several minutes to complete. Normally, this stored procedure is not executed if the current prepared data is selected.

There are times when, for one reason or another, there is a need for regenerating the report data. For example, if records in the pacs_act_history table are modified after the report data has been generated, it

will be necessary to regenerate the report data in order for the changes to appear on the respective report(s). This may be accomplished by selecting the “Yes” option in the frame labeled “Regenerate Source Data.”

The option of selecting 2-level and/or 3-level engines is available through the use of the check boxes. Any combination of level of maintenance and source of repair may be selected.

Click on the “Generate Report” button to execute the stored procedure that prepares the data (if necessary) and invoke Crystal Reports to select and display the report.

There are two options for generating customized reports, the drill-down and profile-based reports.

6-26. Drill-Down Report Generation.

This form provides a method of narrowing the amount of data on the desired report by defining increasingly restrictive search parameters.

This method will always yield a one-page report. Therefore, a selection must be made for all query options.

The available options include ALC, Reporting Period, Actuarial Combination and Maintenance Level. For each Actuarial Combination, the data may be grouped by Command or SRAN by selecting the desired option from the “Group Report Data By...” frame. If the data was previously grouped by command and a SRAN-based report is requested, or vice versa, the data will automatically be regenerated.

Again, there are times when, for one reason or another, there is a need for regenerating the report data. This may be accomplished by selecting the “Yes” option in the frame labeled “Regenerate Source Data”.

6-27. Profile-Based Report Generation.

Clicking the “Profile” button displays the Profile-Based Report Generation form.

As on other related forms, ALC, reporting period and Level Of Maintenance may be selected as part of the report criteria.

This form also allows the user to include a profile as part of the selection criteria. Profiles are user-defined filters that identify the act-combination-command pairs that are to appear in a report. A pull-down list displays all profiles for the currently selected ALC, regardless of profile ownership. Select one of these profiles by clicking once on it in the list.

Another option is the “Regenerate Intermediate Data” buttons. There may be times when it is desirable to regenerate the intermediate report data even though it is the most recently processed. In these cases click on the “Yes” button.

Click on the “Generate Report” button to execute the procedure to preprocess the data, if necessary, and display the report.

Click on “Profile Maintenance” to display the corresponding form.

6-28. Profile Maintenance.

Using the Profile Maintenance form, the user may create, modify or delete a profile.

The grid in the form has act_combinations as row headers and commands (Air Force Major Commands) as column headers. To include an act combination-cmd pair in a profile, click on the grid cell where the respective row and column intersect. An “X” will appear, indicating that the pair has been selected. To remove a pair, simply click on the cell again. A profile is the collection of all selected act_combination-cmd pairs.

Users may view any profiles by pressing the “Load” button and selecting from the profile list. This list contains all profiles defined for the selected ALC.

A user may only modify or delete a profile he or she owns.

A row of buttons below the grid allow the user to rapidly select and de-select rows, columns or the entire grid.

Two profiles, SA_SYS_DEFAULT and OC_SYS-DEFAULT are owned and maintained by the database owner. They are the profiles used for a “full” report.

Hint: To modify and use someone else’s profile, Load it, Modify it and then select “Save As” and rename it.

Tech Note:

The row headers are selected from the master_mgmt table. This table is not user maintained. The column headers are stored in the “commands” table. This table contains a list of all commands that might be used by each ALC. This table is user-maintained and may have commands added or removed.

6-29. Management Summary Report.

Refer to section 6-38 for a complete description of this form and its use.

6-30. Management Data Period.

Refer to section 6-38 for a complete description of this form and its use.

6-31. Official Failure Rates.

The Official Failure Rates form offers multiple report options. Reports may be generated for any actuarial combination-command pair that has entries in the tables PACS_OFR_INFO and PACS_OFR_RATES.

6-32. Smooth Rates.

To generate a set of Smooth Rates: Select an Actuarial Combination.

From the list of commands that is subsequently filled, select 1 OR MORE commands. Select a single command by moving the mouse to that value in the list and clicking one time. To select multiple commands, click while pressing the control <ctrl> key. When multiple commands are selected, the numbers of exposures and removals are combined for all engines in the selected commands.

Select 1 or more periods. Data from multiple periods will be combined and grouped by INTERVAL. An interval is the specific range of hours that consist a unit of actuarial time. An interval size of 50, for example, indicates that engines are grouped by age in incrementing blocks of 50 hours. All engines with ages of 0-49 hours would be processed as a group, as would engines with ages of 50-99 hours, 100-149 hours and so on.

Select a smoothing point formula.

Click on the button labeled “Smooth Rates.”

The smooth rates will be generated and displayed in a formatted report in Crystal Reports.

6-33. Exposures.

An “exposure” is equivalent to an engine being operated for each hour in a particular interval. If an engine has an interval size of 50 hours and an age of 50 hours at the beginning of the period and an age of 99 hours at the end of the period, then the interval (50-99) gained 1 exposure.

This option generates a formatted report of the number of exposures experienced for each interval during the period(s) selected and for the engine(s) selected.

To produce this report:

Select an Actuarial Combination.

From the list of commands that is subsequently filled, select 1 OR MORE commands.

From the list of periods, select 1 or more periods.

Click on the button labeled “Exposures.”

The exposure totals will be generated and displayed in a formatted report in Crystal Reports.

6-34. Failures.

A “failure” refers to the removal of an engine from an aircraft.

This option generates a formatted report of the number of failures experienced for each interval during the period(s) selected and for the engine(s) selected.

To produce this report:

Select an Actuarial Combination.

From the list of commands that is subsequently filled, select 1 OR MORE commands.

From the list of periods, select 1 or more periods.

Click on the button labeled "Failures."

The failure totals will be generated and displayed in a formatted report in Crystal Reports.

6-35. DI's.

The Dependability Index (DI) indicates the accuracy of the smooth rate and the official failure rates in predicting engine removals.

This option generates a formatted report of DIs for both Smooth Rates and Official Failure Rates for the period(s) and engine(s) selected.

To generate this report:

Select an Actuarial Combination.

From the list of commands that is subsequently filled, select 1 OR MORE commands. Select a single command by moving the mouse to that value in the list and clicking one time. To select multiple commands, click while pressing the control <ctrl> key. When multiple commands are selected, the numbers of exposures and removals are combined for all engines in the selected commands.

From the list of periods, select 1 or more periods. Data from multiple periods will be displayed separately.

Select a smoothing point formula.

Click on the button labeled "DI's."

The DIs will be generated and displayed in a formatted report in Crystal Reports.

One possible problem that may be encountered during DI processing is in the Official Failure Rates. If the number of rates (of type "CO") in `ofr_rates` is less than the value of the `nr_intervals` field in `ofr_info` for the selected `act_combination` and command, the DI stored procedure tries to correct it by calling the stored procedure `extend_ofrs()`. If this fails, an error message will be printed on the report page. Check the values in the aforementioned tables. The number of rates must equal the `nr_intervals` value and the value of the `seq_no` field must range from 1 to `nr_intervals`.

6-36. Graph Rates.

Once smooth rates have been generated for a combination, they may be displayed graphically along with the Official Failure Rates for the same combination.

To generate this graph:

(The smooth rates for the desired act-combination-command-period must have already been generated.)

Select an Actuarial Combination.

From the list of commands that is subsequently filled, select ONLY 1 command. The OFRs exist only for single commands.

Click on the button labeled "Graph Rates."

The smooth rates will be generated and displayed in a formatted report in Crystal Reports.

6-37. Actuarial Removal Interval and Forecasted Engine Removal Reports.

After either the Actuarial Removal Interval or the Forecasted Engine Removal report from the Periodic Reports submenu is selected, the user should then select one of the following ALC selections:

- OC-ALC
- SA-ALC

Next the user may select a report for “All data selected for the ALC (standard report)” or select from the list of Actuarial Combinations.

Next the user may select a report either for “World-Wide Summary for Selected Combination” or click on one or more entries in the list of actuarial combinations and select “Current Selection.” Multiple selection may be made only within the same actuarial combination. Data from the selected commands will be combined for the final product.

Next the user should make a selection from the list entitled “PA File” and make a selection from the reporting period list.

Finally, the user makes entries in the following fields:

- Enter “Release” Date
- Enter “Inventory” Date

To produce the report, the user selects “Preprocess Data” button. If the user has prepared the data for these parameters in a previous session, then this selection is unnecessary. Once the data is prepared, the user selects the “Generate ARI Report” button or “Generate FER Report” button for the particular report desired.

Note: The Actuarial Removal Interval program requires several “factors” which are supplied by the user. These factors are stored in the table “PROJ_ARI_SUPPORT_DATA” and will be maintained by the users. Records may be added, modified, or deleted as needed.

PROJ_ARI_SUPPORT_DATA contains the following fields.

- * ACT COMBINATION
- * CMD
- * SEQ_NO
- * RETURN_RATE
- * DEPEND_INDEX
- * IN_PRODUCTION
- * MAX_TIME

* indicates a key field

Actuaries may modify this table using the supplied database editing tools, e.g. Q+E Database Editor.

The field “SEQ_NO” indicates the order in which the data is read. Each row in the table represents one quarter. Because a set of factors may be applied to multiple quarters of actuarial data, “year” and “quarter” are not stored as data fields.

6-38. Removal Reason Summary and Trend Report.

After selecting the Removal Reason Summary & Trend report from the Periodic Reports submenu, the user should then select one of the following ALC selections:

- OC-ALC
- SA-ALC (F100s)
- SA-ALC (non F100s)

Next the user may select from the list of TMSs or select the option “Include All TMSs.”

The user may select one, two, or all of the following reports:

- Removal Reason Summary
- Removal Reason Detail

- Removal Reason Per 1000 Hours

Another option available is the type of removal. Select from “Base Removals,” “Depot Removals” and the combination of both.

To produce the selected reports, the user selects the “Generate Report” button. If the user wishes to make different parameter selections, the user selects the “Clear” button and re-enters the parameters described above. The user may select the “Graph” button to view or print Removal Reason graphs.

If the user selects the “Graph” button, the user is then given the option to select one of the removal reason subgroups from the list selected, then view the graph for that subgroup, or the user may select the button entitled “Print All Graphs for this TMS.” If the user views a graph, options are provided for printing the graph or saving the graph as a Windows Metafile graphic.

6-39. Generating Reports.

When the user selects “Generate Report” for any of these reports, a screen will be displayed that allows the user to view the report. Buttons along the bottom of the report allow the following actions:

- page forward
- page backward
- go to beginning of report
- go to end of report
- zoom
- print
- export
- mail
- close

Four buttons are provided that allow the user to maneuver through the report viewing.

- Go to the next page.
- Go to the last page.
- Go back one page.
- Go to the first page.

Select the “close” button to exit the report and return to the initial report screen.

6-40. Uploading Reports To The Mainframe.

The following instructions provide guidance for uploading a report to the CEMS Mainframe.

- a. Generate the report.

Following the instructions in the preceding sections, select and generate the report that is to be uploaded to the mainframe.

At the end of this step, the report should be displayed on the monitor in the Crystal Reports report viewer. If it is, then go to step 2. If the report is not visible, refer to the previous section for detailed instructions on generating a report.

- b. Save the report as a text file.

Crystal Reports provides a mechanism by which reports may be saved as files of various formats. The button for this function is near the bottom of the Crystal Reports report viewer. It is the “suitcase” button. Click on it to begin the “EXPORT” dialog.

Tech Note: In order for the “Suitcase” button to function, you must have the following files correctly loaded on the Client workstation in the WINDOWS\SYSTEM subdirectory.

UXDVIM.DLL	UXFWKS.DLL	UXFRTF.DLL
UXFREC.DLL	UXDMAPI.DLL	UXFDOC.DLL
UXFSEPV.DLL	UXDDISK.DLL	UXFXLS.DLL
UXFTEXT.DLL	UXFDIF.DLL	UXFCR.DLL

An “Export” dialog box will appear giving the user a selection of file format and destination.

Select the file format. Select “text.”

Select the file destination. Select “disk file.”

Click on “OK.” A “choose export file” dialog box will be presented.

Select/Enter the name of the file and the directory in which the text file should be created.

Click on “OK.” A “print” dialog box will appear displaying the progress of the “print.”

At this point, the text file has been created and is ready to be transferred to the mainframe.

For multiple reasons, this is a two-step process. The user will transfer the file to the HP 9000, then the SDA will transfer the file to the mainframe.

c. Transfer the file to the HP 9000.

Use any FTP software (Chameleon, Frontier,...) to transfer the file created in the previous step from the PC to the HP 9000. Refer to that products documentation for usage of the FTP feature.

If you do not have access to a directory on the server to which you can copy the file, contact the SDA.

NOTE: The file must be transferred in an ASCII format.

SDA is responsible for transferring the file to the mainframe. Notify personnel from the SDA that the report has been created and is ready to be uploaded to the AMDAHL. Be sure to give the full pathname of the file and any other related information, such as which report is in the file, date generated, etc.

d. Upload the file to the AMDAHL (SDA). Open a telnet session on the HP 9000.

From the UNIX prompt, start FTP: % ftp <ENTER>

From ftp, connect to the mainframe.

ftp> open <address> <ENTER>

where “address” is the IP address of the mainframe.

Respond to userid/password prompts. The person performing the transfer must have logon privileges on the mainframe and permission to create the new file.

From the HP 9000, signal to the mainframe that the record length is 140 by using the “quote” Command.

example: ftp> quote “SITE LRECL(140), BLKSIZE (2800), RECLFM(FB)”<ENTER>

Tech Note:

This actually forwards another command, “SITE,” that sets the incoming file parameters the mainframe knows how to create the new file.

Syntax: “SITE LRECL(140), BLKSIZE(LRECL * 20), RECFM(FB)”

Note: Block size # cannot be more than 27860

These parameters may be changed as required by file format and size.

Transfer the file to the mainframe

Syntax put <local filename> <host filename>

ftp> put /homes/smith/report.dat CE.YTACSBW.RRS.1994Q3 <ENTER>

Please note that the destination name should conform to the Dataset Naming Standards (see following page). An example is provided above. These standards were defined by the SDA and are subject to change.

Close the connection to the mainframe.

ftp> close <ENTER>

Exit ftp

ftp> bye <ENTER>

At this point, the file should be on the mainframe. SDA will perform any other actions required for the file to be accessible by CEMS users.

CEMS Client/Server Data Set Naming Standards

CEMS Client/Server data sets must be named in the following format:

CE.DTPCSNNN.MMMMMMMM.FFFFFFFF

CE - System Indicator

D - DSD.

A - D042A

B - D042B

C - D042C

D - D042D

E - D042E

F - D042F

G - D042G

Y - SA-ALC programmer

T - File type.

P - Production data set - programmers can update.

T - Test data set - programmers can update.

U - Universal read access for users.

(This is the file type that will be used to indicate data sets that have been created from Client/Server browse products).

P - DSD Name Indicator.

A - Actuarial.

CS - Client Server.

NNN - "BRW" indicates that the data set is to be placed on a browse screen. NNN is an optional version number when the data set is not a browse product.

MMM - Abbreviated report title, i.e. RRS for Removal Reason Summary, MS for Management Summary, MDP for Management Data Period, etc...

FFFFF - Free form description

6-41. Custom Reports.

This group contains reports that are produced on a non-period basis. From the report type menu, select the desired report type by clicking on the button next to the report type and then clicking on "OK." Click on "Cancel" to return to the main menu.

There are three custom reports available.

- Top Reasons for Removal
- Engine Reliability (Unscheduled Removals)
- Engine Age Distribution

The custom report display screen is displayed if “OK” is selected. To specify search parameters for the report, click on “Chart options.” The custom report options form will be displayed. On the report options form, select the period, actuarial combination, command, etc. to select the data that is to be displayed.

Press “OK” on the Custom Report Chart Options form to return to the main form.

On the Custom Reports Main form, click on “Generate Report” to query the database and graph the results.

The graphing tool includes a row of buttons at the top of the form. You may use them to modify the type of graph, data, titles and many other report options. Click on the help button in this row for more information on the graphing tool.

At the bottom of the form, click on the “View Text” button in order to view the report data in a tabular format. (This is not available for all custom reports.) The information will be displayed on a Crystal Reports form.

The Custom Reports Options form allows the user to specify data selection criteria as well as some display options such as the number of reasons to display in the Top Reasons for Removal Report.

6-42. Actuarial Graphics.

The application includes a query builder that allows the user to interactively create database queries and display the results graphically. The main form contains three panels which display components of the query.

Click on the first panel, “fields and values,” to select the database fields which will form the basis of the graph. Another form (figure 6-12.5) will be displayed. Use it to select fields or values for the graph.

Record counts and other functions may be applied to database fields. Select up to 5 values to be graphed. Note that the selection seen in the display box may not match the item in the selection list. The display box shows the SQL being generating. SQL is the language used to query the database. Since it is not a requirement that the user know SQL, the list displays some values in “non-SQL” terms.

Upon returning to the main form, the SQL statement generated will be displayed on the panel. Click on the second panel, “search condition,” to go to the form (figure 6-12.6) for specifying database search parameters.

Use the pull-down lists on the Search Condition form to select field names and values that will be used in selecting the values from the database. Again, field names in the selection list may not match those in the display box. This user-friendly feature makes it possible for users not possessing an intimate knowledge of the database to create queries. Another useful feature is the “get unique values” button. Click on it to till the “Values” list with legal values for the fields currently selected in the “Field” list.

Use the “Connector” list to select logical operators such as “AND” and “OR to combine multiple field-value pairs. The user may type parentheses directly into the display box as needed.

Upon returning to the main form, the SQL statement generated will be displayed on the panel. Click on the third panel, group by,” to go to the form for defining the method of grouping the values for the graph.

The “group by” form provides a means of specifying the x-axis values and labels. The value selected here is used for summing or grouping the selected values. For example, if the count of installed engines of a certain TSM are selected for a particular year and quarter and grouped by Command, then the graph would show the total number of installed engines per command.

Data may be grouped by up to three fields.

Upon returning to the main form, the SQL statement generated will be displayed on the panel. Click on the button, “generate and view graph,” to execute the query and display the results.

The Actuarial Graphics feature is a flexible feature for users who need a query builder but are not completely comfortable with SQL or the details of the PACS database. With practice, it can be a very useful tool.

6-43. Ad-hoc Query.

Selecting the “Ad-Hoc Data Access” button launches the Q+E Database Editor. Using this database editor, the user is able to make ad-hoc queries and create custom reports. The user should refer to the documentation for this commercial database editor package for instructions on its use.

WARNING - It is possible to build an ad-hoc query that requires large amounts of time and system resources to process. Any query against the largest table (ACT HISTORY or BASE-ACCOUNTS) may take several minutes to respond. This table is used as the “raw data” table, and is used to build the many smaller tables used in the PACS application. These smaller tables may be better suited for use in ad-hoc queries. If there are instances where a query is performed multiple times, the user will want to save the query in Q+E, or have the maintainers of the system incorporate it into the application.

For queries against the ACT-HISTORY table, when building the CONDITIONS, do NOT use the down arrow is selecting the “Value Expression” if at all possible. Q+E will do a full table scan of this table in order to build the value pull-down menu. As previously stated, this is a large table, and response time will be very long.

6-44. Application Utilities.

The PACS also provides several function tools and utilities. These functions may be accessed by selecting the “G352 Editor and Utilities” option on the PACS Reporting Menu. There are four functions available; modify the G352 (actuarial records) data in the PACS database, view the history of such modifications, change the user password and examine the status of report data.

6-45. Edit Actuarial Table.

When the user selects “Edit Actuarial Table,” the screen shown in Figure 6-14 is displayed. The user selects parameters in each of the pull-down menus to select the transaction for editing. The user may select the “Clear” button to re-enter the data or select “OK” to retrieve transactions from the database.

Once the user selects “OK,” the screen shown in Figure 6-15 is displayed, showing all transaction records for that serial number. The user may click on the ending date for the transaction to be edited, and an edit screen is displayed in which the user can make and save edits to the transaction.

6-46. View Status Of Report Data.

Most of the reports in the Propulsion ACS require a large amount of processing. This processing, if invoked each time a report was requested, would require an unacceptable waiting period by the user.

Therefore, for these reports, the processing is carried out at the time the data is loaded into the database. The results of this processing are stored in intermediate tables. When users request a report, it is built from these intermediate tables, rather than the actual database itself. If the database is modified AFTER the intermediate tables are generated, the changes will not show up in the applicable reports unless the intermediate data is re-generated. This form provides two functions:

- a. It displays a list of reports whose source table(s) were updated AFTER the pre-processed data was generated.

Use the scroll bar to view the list of reports. The report title and procedure name are displayed along with the most recent date of execution. Also, the affected table and date of modification are shown.

- b. It provides a means of regenerating the data from which the reports are compiled. There are two ways of regenerating report data: either call someone else or do it yourself.

Some of the reports may take longer to generate than you are willing to wait. If this is the case, contact the SDA or whoever else can and will execute the procedure. To execute the procedure yourself, click on the command button appropriately labeled.

6-47. SRAN Update Procedures.

SRAN UPDATE PROCEDURES FOR TWO LEVEL MAINTENANCE

The following procedure enables an authorized user to open and modify the "SRAN_LEVEL_2" table if required. This table consists of three areas which can be viewed and updated. They are "SRAN, TSM, and PERIOD-BEGIN."

1. Connect to the Oracle server with Intersolv Q+E program
2. Select "File" from the menu bar
3. Choose "New Query" from the File menu list
4. From the Tables Menu double click on the "System folder" under user name list
5. Then double click "SRAN_LEVEL_2" from the "Table Window"
6. Highlight "SRAN_LEVEL_2" from the selected tables window and click on OK
7. Select "Field" button from the Q+E Query Builder Button Bar
8. Highlight and move each field to the selected list to be edited by clicking on the single right arrow or move all fields by selecting the double right arrow
9. Click on the OK button which moves to the Q + E Query Builder window
10. Select the OK button again to enter Query 1 (PACS_SRAN_LEVEL_2) table for editing
11. Modify field values by clicking on them, then typing new values
12. Q+E automatically updates the server database
13. Use File/Exit to leave

6-48. General Troubleshooting Techniques.

The PACS application relies on several elements, application software, system software, and network software and hardware, in order to function properly. If any part of the chain of elements making up the PACS system fail, the results can be difficult for the end-user to figure out. In this section, we have attempted to provide a logical series of steps an end-user can take in order to quickly diagnose the possible cause. These steps attempt to isolate which element of the chain of components may be failing. Once the failing element can be identified, the optimal support personnel can be contacted. Knowledge of these steps can significantly reduce the time necessary to correct problems, and can greatly increase the ability of the user to communicate with the technical support representatives.

SITUATION: The application appears to start but the logon screen will not appear and an error message is displayed indicating a failure to connect to the database.

Narrowing down the problem.

FIRST THING TO TRY:

Can you connect with SQL*Plus?

If so, the network, server and database are ok.

Possible problems:

old version of application

odbc.ini problem

If not, the application is probably ok.

Possible problems:

network

server

database

Can you connect from another machine?

If you can, the server and database are OK. The problem is likely in your PC. It could be a network or application related problem.

Communications

NEXT THING TO TRY:

There may be a network problem.

Try to “ping” the server. Use the TCP/IP “ping” utility to try reaching the server.

If this fails, try to ping another server on the network such as “ocdis01.”

Some local addresses are:

disoiL 137.240.135.135

cs_proto 137.240.135.7

ocdis01 192.42.81.81

If you cannot reach the database server but can reach another, there may be a server problem. Contact the server system administrator.

If you cannot ping any servers, there may be a network problem. Contact your local network office and work through them.

If you can ping the server, it still might not be available for use. Try a telnet session (if possible). Note: If you do not have an account on the server, you will not be able to open a telnet session.

If you cannot open a telnet session on the server, there may be a server problem. Contact the server system administrator.

Application Software

NEXT THING TO TRY:

There may be a driver or file which is used by the PACS application that is corrupted or missing on your PC. Once you have installed correctly and have made a connection, this can only happen due to accidental erasure of files from the “\cems,” “\windows” or “\windows\system” directories.

Examine another machine to compare files or reload the PACS application.

There is a problem with the TCP/IP software on your workstation.

Go through the steps under “communications.”

Have someone else do the same on another machine. If another PC can connect but you cannot, the problem is probably on your PC.

You may have an old version of the application. Check with the software support group maintaining the application to find out if you have the latest version.

Database Server

NEXT THING TO TRY:

The Oracle Database may not be presently available.

If you cannot connect via the application or SQL*Plus and can still reach the server via ping and telnet, the database itself is likely down.

Contact the PACS DBA or the DISA DBA.

6-49. User Profile Messages.

On occasion you may encounter a user profile message similar to this one, "[Q+E Software][ODBC Driver] [ORACLE] ORA-02395: exceeded call limit on 10 usage." This message is displayed when ever a user exceeds a limit on database resources. Profiles are used to limit the database resources available to a user for a single call or a single session. ORACLE enforces resource limits in these ways: 1) If a user exceeds the CONNECT TIME or IDLE TIME session resource limit, ORACLE returns to the current transaction and ends the session. 2) If a user attempts to perform an operation that exceeds the limit for other session resources, ORACLE aborts the operation, returns to the current transaction, and immediately displays an error. The user must then end the session. 3) If a user attempts to perform an operation that exceeds the limit for a single call, ORACLE aborts the operation, returns to the current transaction, and displays an error message, leaving the current transaction intact.

These messages will occur when one of the following user profile parameters have been exceeded.

- CPU time for a session

- CPU time for a call (a parse, execute, or fetch)

- Total elapsed time of a session

- Periods of continuous inactive time during a session

- Number of data blocks read in a session, including blocks read from memory and disk

- Number of data blocks read for a call to process a SQL statement

- Amount of private space a session can allocate in the shared pool

- Total resource cost for a session

- Session Per User

If an error message occurs repeatedly during an operation, contact the DISA Database Administrator at 739-5272 to help resolve the problem.

6-50. Temporary Directory "Disk Full Error."

On another occasion you may encounter a user profile message when using a temporary directory similar to this: "Temporary Directory - Disk Full Error." This message is displayed when a user exceeds available free hard drive space. Crystal Report Services suggests the following minimum requirements be used to eliminate "Disk Full Errors." The client will need 25mb of free hard disk space and 8mb of memory to meet Crystal Reports 4.0 performance standards. This will provide enough disk space to enable the temporary directory to generate large reports, and expedite printing operations.

